



# Mariposa Energy, LLC

333 S. Grand Ave., Suite 1570, Los Angeles, CA 90071  
Tel: (213) 473-0080 Fax: (213) 620-1170

March 14, 2012

Mr. Craig Hoffman, CPM  
(09-AFC-3C)  
California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814

**SUBJECT: Mariposa Energy Project (09-AFC-3C)  
COMPLIANCE-6 Monthly Compliance Report – February 2012**

Dear Mr. Hoffman:

Please find attached the Monthly Compliance Report (MCR) for the Mariposa Energy Project (MEP). The attached documentation has been prepared for the month of February 2012, and has been prepared in accordance with California Energy Commission (CEC) General Condition COMPLIANCE-6.

The MCR also contains documentation submitted in accordance with the following CEC Conditions of Certification:

- COMPLIANCE-5 : Updated Compliance Matrix
- AQ-SC3 and AQ-SC5: AQCMM Monthly Report
- BIO-2, BIO-6, BIO-9, BIO-10, BIO-11, BIO-12, BIO-17: Monthly Compliance Report (February 2012)
- BIO-5, CUL-5 and PAL-4: WEAP Training sign in sheets
- CUL-6: Cultural Resources Monthly Report (February 2012)
- PAL-5 : Paleontological Resources Monthly Report (February 2012)
- SOIL & WATER-2: DESCP Monthly Report (February 2012)
- WORKER SAFETY-3: Monthly Safety Report
- GEN-2, TSE-1: Master Submittal Schedule
- STRUC-1: Submittal Transmittals
- STRUC-1: CBO Submittal Approvals
- MECH-1: CBO Submittal Approvals
- MECH-1: Submittal Transmittals
- ELEC-1: Submittal Transmittals
- TSE-4: Submittal Transmittals
- WASTE-7: Unauthorized Spill Incident Report



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If you have any questions regarding this submittal, please do not hesitate to contact me at (213) 346-2134 or Keith McGregor at (916) 286-0221.

Sincerely,

Chris Curry  
Mariposa Energy, LLC  
Senior Manager - Development

cc: Bo Buchynsky, Mariposa Energy, LLC  
Gary Normoyle, Mariposa Energy, LLC  
James Spicer, Mariposa Energy, LLC  
Kristy Santucci, Bureau Veritas (CD-ROM Only)  
Keith McGregor, CH2M HILL  
Debi Hertz, CH2M HILL

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# **Monthly Compliance Report #8**

## **February 1-29, 2012**

### **Reporting Period**

# **Mariposa Energy Project**

**Livermore, California**  
**09-AFC-3C**

Submitted to  
**California Energy Commission**

Submitted by  
**Mariposa Energy, LLC**

With Technical Assistance by



**CH2MHILL**

2485 Natomas Park Drive  
Sacramento, California 95833

March 2012

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- 4 Key Events List
- 5 Construction Photographs
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# Monthly Compliance Report #8

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## 1.0 Introduction

On May 18, 2011, the California Energy Commission (CEC) issued a license to Mariposa Energy, LLC (Mariposa Energy) for the construction and operation of the Mariposa Energy Project (MEP). The CEC Compliance Project Manager (CPM) issued a limited notice to proceed letter to Mariposa Energy on June 3, 2011, allowing the start of construction activities for surveying and fencing for the power plant and related linear facilities. On June 15, 2011, a full notice to proceed was issued.

This is the eighth Monthly Compliance Report (MCR) for MEP (09-AFC-3C). This report covers engineering, procurement, construction, and environmental compliance activities that occurred during the period from February 1 to February 29, 2012.

## 2.0 Current Project Status

Mariposa Energy has contracted with LG Constructors (LG) to provide the engineering, procurement, and construction (EPC) services needed to build MEP. The Byron Bethany Irrigation District (BBID) is the construction manager for the water pipeline lateral with Tidelands Construction (Tidelands) as the general construction contractor for the water pipeline lateral. Pacific Gas and Electric Company (PG&E) will design, build, and operate the natural gas pipeline trunk-line from its gas main to the project's gas yard; PG&E's scope will end just downstream of the PG&E revenue meter.

In February, there was significant progress on the construction of the transmission line, PG&E gas supply line and the switchyard. The focus shifted from the installation of equipment on structural foundations to the commencement of electrical cable installation and completion of aboveground piping. As of February 29, 2012, the project was 84 percent complete overall. Table 1 presents the percent complete numbers for the EPC activities as of the end of the month.

**TABLE 1**  
Percent Complete for MEP Engineering, Procurement, and Construction Activities  
*MEP MCR #8 February 1 to February 29, 2012*

<b>Activity</b>	<b>Main MEP Site</b>	<b>Water Pipeline</b>	<b>Transmission Line</b>	<b>Natural Gas Pipeline</b>
Engineering	98	100	100	100
Procurement	100– Engineered Equipment 90 – Subcontracts	100	100	100
Construction	75	99	95	100

Engineering of the main plant continued throughout February but is winding down as LG nears completion of the design. LG's Monthly Progress Report is provided in Exhibit 1. LG prepared 44 drawing package submittals in February that were issued to the Chief Building Official (CBO) for approval or information only.

At the main plant site in February, LG achieved a major milestone with the installation of the Power Distribution Center (PDC) the week of February 6, 2012. Many of the electrical lines terminate at the PDC and installation of cable through the manholes and control vaults between the PDC and equipment pads proceeded throughout February. Abovegrade piping at the units and water tanks continued and installation of chiller modules began. There was significant progress on the construction of the admin/control building. Installation of structural concrete is winding down and final grading around the units and switchyard began in February.

Work on the BBID water pipeline and pump station in February was primarily focused on operational testing of the water pumps and controls and completion of minor building punch list items.

Transmission line work nears completion as the conductors and fiber optic cable were installed along the line and terminated at the switchyard in February. Installation of jumpers at several poles and testing of bolts are the only items remaining to be completed.

PG&E Gas Line Corridor work was completed with the installation of hydroseeding on February 27, 2009. The meter station within the plant has been assembled and tested. Remaining meter station work includes concrete pipe supports and installation of controls.

On February 14, 2012, a monthly progress meeting was held onsite with LG and MEP.

The most recent project summary schedule for the main plant updated February 3, 2012, is included as Exhibit 2 of this report. LG is currently updating their schedule to prepare a detailed analysis of commissioning activities. Three-week look-ahead schedules for the main plant are provided in Exhibit 3.

A key events list is included as Exhibit 4. The list includes the following revisions this month: activity "Complete Water Supply Line Construction" revised to March 31, 2012, for controls at the main site; "Complete T/L Construction" revised to March 9, 2012; "Synchronization with Grid and Interconnection" revised to April 25, 2012; and "First Combustion of Gas Turbine" revised to May 15, 2012. The anticipated commercial operation date for MEP remains July 1, 2012.

Construction photos taken during the reporting period are provided as Exhibit 5.

### 3.0 Engineering, Procurement, and Construction Activities

This section provides information on the EPC activities that were accomplished during the reporting period.

#### Engineering

In February, LG received CBO approval on the following drawings and calculations: BOP steel drawings, transmission line documents, transmission line route plan and profile,

electrical specifications, Dis-Tran switchyard documents, electrical aboveground drawings, electrical lighting drawings, dead-end structure calculations and drawings, admin building foundation concrete mix, PG&E gas service pipeline, steel drawings, PG&E gas meter station, MV one-line diagrams, HV relay and metering 3-line diagrams, and electrical non-seg and syncro closer. Copies of the CBO submittal approval notifications for STRUC-1 and MECH-1 are included in Exhibit 12.

The Master Submittal Log was updated by LG on March 3, 2012, and is included in Exhibit 6. Copies of submittal transmittals for STRUC-1, TSE-4, MECH-1, and ELEC-1 are included in Exhibit 6. More specific details on the main plant engineering and design activities conducted during the reporting period are described in LG's Monthly Progress Report for February in Exhibit 1.

## **Procurement**

During the reporting period, the procurement status for the main plant is as follows:

LG issued the I&C start-up assistance contract in February. There were no purchase orders issued in February as all major packages have been issued. The permanent site fencing and final site work/grading bid packages were issued in February.

The following major MEP construction activities were accomplished between February 1 and February 29, 2012:

### **Water Pipeline Corridor and Pump Station Activities**

- Building punch list work.
- Performance and operational testing of the water line, pump station, and traveling screen.

### **Natural Gas Pipeline Activities**

- Completion of installation of fuel gas line piping to meter station.
- Hydrotest and cleaning of fuel gas piping.
- Hot tap and tie into existing 26-inch gas supply line.
- Restored corridor topsoil and hydroseeded with approved seed mixture.
- Assembled meter station component piping. Excavated and formed concrete pipe supports for meter station.

### **230-kV Transmission Line Interconnect Activities**

- Installed insulators and pulled power conductors between all transmission line poles and to the dead-end A-frame structure in the switchyard.
- Installation of fiber optic grounding wire line for communication between the PG&E substation and the MEP plant.
- Installation of grounding wire at each transmission line pole base.

## **Main Site Activities**

- Completed installation of demineralized water tank and installed the waste water storage tank. Hydrotest of all three tanks completed. Connected underground piping to the tanks and installed aboveground piping to service water pump skids and fire water pump building.
- Installed four section Power Distribution Center on columns. Installed stairs and access platforms to PDC. Installed four HVAC units on the PDC building.
- Completed control wire pulls to controls vaults at GSU's 600, 700, 800, and 900. Pulled cable between transformers and PCM's 600, 700, and 800.
- Installed PCM 900 transformer, anti-icing transformer, anti-icing heater building, and the fuel gas let-down skid on structural pads.
- Installed 4-part bases for three of the chillers and 2-part top sections at one of the chillers.
- Formed and poured the pads for the anti-icing heater transformer, fuel gas let-down skid and analyzer skid, untreated potable water tank, demineralized water pump skid, and process waste water forwarding pump skid. Formed and poured pipe support pads, stair and ladder landings.
- Completed installation of switchyard structure including dead-end A-frame. Installed hard bus and conductors. Installed wiring to 230-kV primary disconnect switches.
- Installed bus duct to GSU 600, 800 and 900. Pulled and terminated high voltage (HV) cable between 15-kV breaker and GSU bus duct. High potency (Hipot) testing at HV cable at units 600, 700, and 800.
- Grounding cable at fuel gas equipment skids, water tanks, and warehouse building
- Install exterior wall and roof structure and wall panels at Admin/Control Building. Complete stud framing, sheetrock, insulation and finishes of interior walls. Install flooring, HVAC units and ducting, electrical conduits, fire sprinkler system and plumbing piping and fixtures.
- Install ductwork, inlets, filtration, silencers and tempering air fans at ECM 700 and ductwork at ECM 800.
- Successfully hydro tested fire water line. Installed all fire hydrants and valve stations.
- Completed installation of above-grade chiller water piping at units 700 and 800, and 75 percent complete with chiller water piping at unit 900. Installed abovegrade fuel gas piping at units 700 and 800.
- Installed wall and roof structure for warehouse. Installed interior wall stud framing and sprinkler piping.
- Completed final grading and installation of loose rock at the switchyard from GSU 600 to 800.

- Installed bus duct from auxiliary and station service transformers to PDC. Installed cable tray and conduits below the PDC and between the PCM's and CTG's. Pulled cable in control vaults and electrical manholes between the PDC and PCM transformers 600, 700, and 800.
- Began installing chilled water piping to the anti-icing heater. Tested the instrument and service air piping.
- Completed alignment of all four turbines. Installed air filters at units 600 and 700.

## 4.0 Project Compliance Activities

This section includes a description of the documents required by specific conditions to be submitted as part of the MCR. The specific documents required are attached as exhibits unless they have been previously submitted to the CEC's CPM as noted. A compliance matrix is attached as Exhibit 7 listing all of the applicable construction conditions and the status of each. The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates of any approvals by the CBO, CEC CPM, or delegate agency.

AQ-SC3: Discussion on the control of dust plumes during construction is included in the air quality control management (AQCM) report from LG and PG&E, provided in Exhibit 8.

AQ-SC5: Reporting on the control of diesel construction emissions during construction is included in the AQCM report from LG and PG&E in Exhibit 8.

BIO-2: Todd Ellwood is the Designated Biologist for MEP. A summary of the biological resource activities for the reporting period is included in Exhibit 9.

BIO-5: 154 were trained on the Worker Environmental Awareness Program (WEAP) in February, bringing the cumulative total of WEAP-trained individuals to date to 800.

BIO-6: A discussion on the status of Biological Resources Mitigation Implementation and Monitoring Plan measures (e.g., surveys, species observed, and construction activities) is included in the Designated Biologist's monthly report in Exhibit 9.

BIO-9: A summary of the branchiopod avoidance measures implemented during the reporting period is included in Exhibit 9.

BIO-10: A summary of the implementation of California tiger salamander and California red-legged frog avoidance measures is included in Exhibit 9.

BIO-11: A summary of the implementation of western pond turtle avoidance measures is included in Exhibit 9.

BIO-12: A summary of the implementation of burrowing owl avoidance measures is included in Exhibit 9.

BIO-17: A summary of the implementation of impact avoidance and mitigation measures for waters and wetlands is included in Exhibit 9.

CUL-2: The weekly schedules are being sent to the Cultural Resource Specialist (CRS) via email per this condition and are not included in this report.

CUL-5: Copies of the signed WEAP training sheets are included as Exhibit 10.

CUL-6: Clint Helton is the CRS. The monthly cultural resources monitoring report is included in Exhibit 9.

NOISE-2: No noise complaints occurred during the reporting period.

NOISE-6: LG plans to begin a second shift for electrical wiring work from 4:30 pm to 2:30 am Mondays through Saturdays. A request was submitted to the CEC on February 21, 2012, and approved on February 22, 2012.

SOIL & WATER-2: The qualified Stormwater Pollution and Prevention Plan (SWPPP) developer, Mieke Sheffield, has summarized the monthly status report of the Drainage, Erosion, Sedimentation Control Plan (DESCP) measures in Exhibit 9.

SOIL & WATER-4: On February 16, 2012, a letter and photos were submitted to the CEC with notification that the water meter on the water supply line was installed and operational. On February 23, 2012, a photo narrative of the construction of the water conservation program project to re-line Byron Bethany Irrigation District's Canal 45 was submitted to the CEC. A CEC site visit is planned in March to confirm both of these items.

TRANS-1: Heavy Haul Roadway use permits were issued in February for the delivery of PDC sections and chiller modules. The permits issued are as follows:

- County of Alameda: 37760, 37754, 37745, 37719
- County of San Bernardino: T-12000384
- Contra Costa County: PB-12-25-13, PB-12-22-3, PB-12-25-11, PB-12-58-7, PB-12-58-10, PB-12-58-9
- Mountain House: TP-11-12-246, TP-11-12-251, TP-11-12-240
- San Joaquin County: PS-1200312, PS-1200308, PS-1200316, PS-1200239, PS-1200236, PS-1200237, PS-1200239
- State of California: 499515, 501147, 499809, 253903, 253904, 253945, 253513, 253425, 498336, 253135, 253339, 497848, 498339, 497842, 497447, 252862, 496128, 495803, 495036, 495029, 496385, 495059, 495058, 495061, 495062, 495029, 495036

TRANS-5: An unauthorized spill event occurred on site on February 25, 2012, when diesel fuel leaked from a water pump onto the ground. A copy of the waste manifest will be submitted in the March monthly report.

WORKER SAFETY-3: The monthly safety inspection reports from LG and PG&E are included in Exhibit 11 of this report.

HAZ-3: The Safety Management Plan for the delivery of aqueous ammonia was submitted to the CEC for review on February 23, 2012.

HAZ-5: The notification to the aqueous ammonia transport company to comply with DOT MC-307 was submitted to the CEC on February 15, 2012

HAZ-8: The LG fuel gas pipe cleaning work plan was submitted to the CEC on February 21, 2012.

GEN-2: A copy of the latest Master Submittal Schedule updated March 3, 2012, is included in Exhibit 6.

CIVIL-3: No Non-Conformity Reports (NCR) were submitted during the reporting period for the main project site and water pipeline.

STRUC-1: Copies of the structural submittal transmittals are included in Exhibit 6. Copies of the CBO approval of structural submittals are included in Exhibit 12.

MECH-1: Copies of the major piping submittal transmittals are included in Exhibit 6. Copies of the CBO approval of major piping submittals are included in Exhibit 12.

ELEC-1: Copies of the electrical submittal transmittals are included in Exhibit 6.

PAL-4: Copies of the signed WEAP training sheets are included as Exhibit 10.

PAL-5: The paleontological monthly monitoring report is included in Exhibit 9.

TLSN-4: A letter confirming that the transmission line structures are grounded was submitted to the CEC for approval on February 16, 2012.

TSE-1: The transmission facility design submittals are included in the master submittal schedule, which is included in Exhibit 6.

TSE-4: Copies of the transmission facility submittal transmittals are included in Exhibit 6. Major electrical equipment that was received in February included the Power Distribution Center.

VIS-6: The Landscape and Irrigation Plan was submitted to the County of Alameda Planning Department on February 29, 2012, for review and approval. Copies were also submitted to the CEC for information.

WASTE-7: An unauthorized spill event occurred on site on February 25, 2012, when a water pump leaked diesel fuel. A report on the incident is included in Exhibit 13.

### **Submittal Deadlines Not Met**

No submittal deadlines were missed during the reporting period.

## **5.0 Conditions Satisfied During Reporting Period**

Table 2 provides a list of the conditions of certification satisfied during the reporting period of February 1 to February 29, 2012.

**TABLE 2**  
 Conditions of Certification Satisfied During the Reporting Period  
*MEP MCR #8 February 1 to February 29, 2012*

<b>Condition</b>	<b>Brief Description</b>	<b>Date Submitted</b>	<b>Actions that Satisfied the Condition</b>
HAZ-5	Require transport vehicles delivering Aqueous Ammonia to site to comply with MC-307.	2/15/12	Copy of letter to Aqueous Ammonia vendor submitted to CEC
SOIL & WATER-4	Install and operate meter on water supply to plant.	2/16/12	Submitted proof of installation and operation to CEC.
TSLN-4	Ground permanent metallic structures in transmission line corridor.	2/16/12	Stamped letter sent to CEC confirming grounding.

## 6.0 Approved Changes to Conditions of Certification and Filings or Permits Issued by Other Government Agencies

There were no permits issued by other governmental agencies February 1 through February 29, 2012.

## 7.0 Anticipated Compliance Activities for March 2012

Mariposa Energy will continue to provide progress updates on the compliance activities discussed above in future monthly reports. Additionally, the following compliance documents will continue to be monitored with the CEC or submitted during March:

- TRANS-5: Transportation of Hazardous Materials
- GEN-7: Discrepancy in Design
- HAZ-2: Final Business Plan, SPCC and RMP plans
- HAZ-7: Site Security Plan (will be prepared and available on site for CEC review)
- WORKER SAFETY-2: Project Operations and Maintenance Safety and Health Program

## 8.0 Additions to Onsite Compliance File

Copies of the documents included in the exhibits to this MCR have been added to the onsite compliance files.

## 9.0 Request to Dispose of Items Required to be Maintained in Project Files

There are no files in the project compliance files that Mariposa Energy is requesting to dispose of.



## 10.0 Complaints, Violations, Warnings, Citations

There were no complaints, violations, warnings or citations during the month of February.

**Exhibit 1**  
**LG Monthly Progress Reports**

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Diamond Generating Corporation

A Subsidiary of Mitsubishi Corporation

# MARIPOSA ENERGY PROJECT MONTHLY PROGRESS REPORT FEBRUARY 2012



**LG**Constructors<sup>®</sup>

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## 1 *Executive Summary*

### *Summary*

Mariposa Energy, LLC (MEL) issued a Notice to Proceed (NTP) to LG Constructors (LG) on December 20, 2010 to begin engineering activities for the Mariposa Energy Project. LG began working on the project on December 20, 2010 developing specifications for the long lead procurement items for the project and reviewing the contract documents.

The project was approved by the California Energy Commission on May 18<sup>th</sup>, 2011. The ATC from the BAAQMD and CBO was received.

MEL granted full site access on July 18<sup>th</sup>. The easement on the transmission line corridor next to the Kelso Compressor Station was approved in late December by the CPUC and PG&E.

### **Engineering & Design**

Engineering & Design continued with the specifications and design for the remaining subcontracts for the site. Electrical worked on the cable, conduit, and termination schedules to finalize the construction requirements. Documents continue to be submitted to the CBO for review and comments incorporated as required. Engineering is currently 98% complete.

### **Procurement**

Procurement activities for February included issuing field purchase orders in support of Construction and Start-Up activities and change orders for various pieces of engineered equipment and subcontracts in support of Construction. The engineered equipment is 100% bought out.

Issued Equipment Bid Packages for: None

Issued Purchase Orders for Equipment: None

The Subcontract Inquiry Packages for Permanent Site Fencing and Final Site Work / Grading & Paving were issued.

The Subcontract for the I&C Start-Up Assistance was issued during the month.

### **Construction**

During the month of February, Construction activities continued with Collins Electric working on the AG Electrical/ I&C work, AZCO completed the fabricating and installing underground pipe and continued erecting AG equipment and piping. Overaa continued working on miscellaneous foundations. Newtron continued installing the switchyard structures and welding out the bus. Graver completed installing the Supply, Demineralized, and Raw Water tanks and, and Lyons continued erecting the Admin/Control and Warehouse buildings.

### **Startup & Commissioning**

During the month of February, Startup issued commissioning procedures for Mechanical, Electrical, Back Energization and LOTO. Documentation requirements for turnover packages were given to GE to implementation. The Emissions Testing Package was issued for quotations.

**Schedule**

Engineering remaining work consists of issuance of the final cable termination lists, PSS Settings & Switchyard DCS/PLC interconnection support. Procurement issued the final Paving and Grading Contract early March.

Construction critical path runs through the electrical installation of equipment, raceway & terminations for CTG #600/700/800. Other major critical path tasking includes CTG 900 A/G Aux Systems piping & Chiller erection and preparing the site for electrical back feed planned for April.

The overall schedule is currently being revised to work out the negative float.

***Priorities/ Issues/ Concerns***

The A/G electrical Contractor continues to work on cable pulling and terminations to support back feed for the project and to all areas for pulling and terminations. Craft shift work is being evaluated by project management to accelerate pull & terminations.

The current schedule is presenting negative float in the overall critical path. Due to the schedule logic ties associated with the PDC, the affected downstream tasking is pushing into the actual erection of the equipment and the supporting activities.

Construction & Start Up are currently working a alternative action plan to support needed construction turn over tasking by system that will be coded into the schedule as constrained start dates.

We are still targeting a late April Target for electrical back feed.

Integration of the GE Hot Commissioning schedule is being worked by project scheduling to target planned first fire dates.

An updated construction turn over plan & associated start up and commissioning schedule will be released to project management for review. The revised schedule will encompass current progress and planned system release dates to support CT first fire targets.

## 2 Safety

### **Major Activities and Accomplishments:**

- ♦ No Safety items to report.
- ♦ Continued to provide safety training for craft employees

### **Planned Activities for next month:**

- ♦ We will continue working on site safety staffing requirements with the subcontractors.
- ♦ Continue safety training for craft employees.

### **Safety Record**

See Safety Statistics next page.



**Health, Safety, Security, and Environment**

 Project Name: Mariposa Energy Project

 Month/Year: February / 2012

Leading Safety Indicators					
Category		Month	YTD	PTD	Comments
HSSE Orientations		149	270	766	Electrical Contractor Ramp up
Safe Behavior Observations (SBO)		51	76	377	
SBO % Safe – (# Conducted/Goal)		99%	99%	99%	
Pre-Task Plans (PTP)		364	651	1641	
Tasks Performed w/o PTP		0	0	0	
HSSE Audits		2	3	7	
Audit Items (Past Target Date)		0	0	0	
Safety Committee Meetings		1	2	2	
HSE Training Hours		298	540	1290	
Emergency Response Drills		0	0	0	
Incident Summary					
Date	Incident Type (Injury, Near Miss, Spill, etc.)	Employer	Description/Corrective Actions		
Feb 25	Spill	Graver Tank	A leak developed in the fuel tank of a diesel operated water pump. Approximately 3 gallons were leaked onto the ground.		
Feb 2	First Aid	Azco Construction	Employee had particle in his eye. Was washed out onsite. Was taken to Dr. for confirmation of removal.		
HSSE Accomplishments/Activities/Concerns					

### 3 Environment

*Permit Status*

No Activities

## 4 Summary of Progress and Status

### Engineering Progress:

#### General

##### **Major Activities and Accomplishments:**

- ♦ As of February 24, 2012, engineering remained at 98% percent complete. Engineering percent complete by discipline is provided in Section 11
- ♦ Continued reviewing vendor drawing submittal packages
- ♦ The Master Documents Deliverables List is updated and attached to this report (Contract Exhibit B Scope of Work Section A.13.2 and CEC compliance item GEN – 2a)
- ♦ The document control Master Document Index including vendor submittals is attached to this report

##### **Planned Activities for March 2012:**

- ♦ Obtain CBO approval on all remaining drawings and calculations.
- ♦ Continue O&M manual assembly

#### Layouts

##### **Major Activities and Accomplishments:**

- ♦ None

##### **Planned Activities for March 2012:**

- ♦ None

#### Civil

##### **Major Activities and Accomplishments:**

- ♦ Issued main entrance gate details and interior fence revisions

##### **Planned Activities for March 2012:**

- ♦ None

#### Structural

##### **Major Activities and Accomplishments:**

- ♦ Issued switchyard dead-end structural steel and foundation modifications

##### **Planned Activities for March 2012:**

- ♦ None

## *Architectural*

### **Major Activities and Accomplishments:**

- ♦ None

### **Planned Activities for March 2012:**

- ♦ None.

## *Process/Mechanical*

### **Major Activities and Accomplishments:**

- ♦ Issued performance testing specification for bid

### **Planned Activities for March 2012:**

- ♦ Support insulation, painting and performance test subcontract awards

## *Electrical*

### **Major Activities and Accomplishments:**

- ♦ Issued revised conduit schedule, tray schedule and termination reports
- ♦ Issued wiring diagrams and schematics to support start-up and for PG&E review
- ♦ Completed relay panel terminations and issued remaining panel schedules
- ♦ Revised lighting drawing revisions to resolve CBO comments
- ♦ Issued an electrical system description
- ♦ Continued PG&E and CAISO coordination
- ♦ Revised one-lines and three-line diagrams
- ♦ Issued line side settings for switchyard protective relays

### **Planned Activities for March 2012:**

- ♦ Continue PG&E and CAISO coordination
- ♦ Respond to RFI

## *Instrument/Controls*

### **Major Activities and Accomplishments:**

- ♦ Issued control logic narrative updates and remaining switchyard loop diagrams

### **Planned Activities for March 2012:**

- ♦ None

## *Piping*

### **Major Activities and Accomplishments:**

- ♦ None

**Planned Activities for March 2012:**

- ♦ None

*Transmission and Distribution*

**Major Activities and Accomplishments:**

- ♦ Issued T-line vibration damper assembly details and T-line stringing chart updates

**Planned Activities for March 2012:**

- ♦ Complete final switchyard wiring diagram (issued 3/2/12)

**Areas of Concern**

- ♦ None

## *Procurement Status*

### **Current Month Major Activities**

- ♦ Issued Equipment Inquiry Packages for: None, all major packages have been released and issued
- ♦ Received Equipment Bids for: None, all major package proposals have been received
- ♦ Awarded Equipment Purchase Orders for: None
- ♦ Issued Subcontract Bid Packages for: Permanent Site Fencing
- ♦ Received revised Subcontract Proposal for: None
- ♦ Awarded Subcontracts for: I&C start-Up Assistance

### **Next Month Planned Major Activities**

- ♦ Issue Equipment Inquiry Packages for: None, all major packages have been released and issued
- ♦ Receive Equipment Bids for: None, all major package proposals have been received
- ♦ Evaluate and Award Equipment Packages for: None, all major package proposals have been received
- ♦ Issue Subcontract Inquiry Packages for: Performance Testing, Emission Compliance Testing, Insulation, Painting & Coating
- ♦ Receive Subcontract Proposals for: Painting & Coating and Permanent Site Fencing, Performance Testing and Emission Compliance Testing
- ♦ Award Subcontracts for: Permanent Site Fencing, Performance Testing, and Emission Compliance Testing

*Construction and Safety:*

**Major Activities and Accomplishments:**

- ◆ Placed DW, and WW pump foundations
- ◆ Completed all major foundations
- ◆ Completed DW tank erection
- ◆ Completed WW tank erection
- ◆ Completed Hydro testing of the SW tank
- ◆ Completed Hydro testing of the WW tank
- ◆ Completed Hydro testing of the DW tank
- ◆ Started warehouse installation
- ◆ Completed 800 turbine and generator alignment
- ◆ Completed 900 turbine and generator alignment
- ◆ Installed inlet filters in units 600-900
- ◆ Set multimedia skids
- ◆ Install potable water equipment
- ◆ Set Chiller module 1, and 2
- ◆ Set tempering and seal air fans for ECM 700 and 800
- ◆ Installed ammonia piping at ECM 800 and 900
- ◆ Completed grouting of units 600-900
- ◆ Completed UG piping
- ◆ Completed AG piping at unit's 600
- ◆ Completed pulling and tensioning of T-line wire
- ◆ Completed switch yard installation
- ◆ Set PDC
- ◆ Completed trim out of PDC
- ◆ Started installing cable tray at PDC
- ◆ Starting pulling wire for backfeed
- ◆ Set all unit transformers

**Planned Activities for next month:**

- ◆ Excavating to support site activities
- ◆ Complete storm water system
- ◆ Complete Admin building
- ◆ Complete warehouse
- ◆ Complete air compressor shed
- ◆ Complete AG piping at unit's 700 and 800
- ◆ Complete AG piping at tank area
- ◆ Complete LB AG piping at fuel gas area
- ◆ Complete SB AG piping at fuel gas area
- ◆ Complete AG piping at chiller area
- ◆ Complete T-line installation
- ◆ Trim out all PCMs
- ◆ Place demin trailer pad
- ◆ Start trimming out ammonia area
- ◆ Set misc pumps around tank
- ◆ Set Chiller module 3 and 4
- ◆ Complete erection of chiller modules 1 and 2
- ◆ Complete electrical trim out of chillers 1 and 2

- ♦ Trim out chiller module 1 and 2
- ♦ Set tempering and seal air fans for ECM 900
- ♦ Complete ECM fan ducting units 600-700
- ♦ Complete grouting of units 600-900 accessory equipment
- ♦ All wire 100% pulled and terminated for backfeed
- ♦ Complete cable tray and conduit for units 600 and 700

**Labor Relations:**

- ♦ A meeting held during the month to discuss craft jurisdictions.

**Subcontracts:**

- ♦ We will review bid packages for Painting.



*Startup and Commissioning:*

- ◆ Project Commissioning Mechanical Procedures issued to Client Feb 2
- ◆ Commissioning Safety LOTO Procedure issued to Project Feb 2
- ◆ Project Commissioning Electrical Procedures issued to Client Feb 15
- ◆ StartUp 3<sup>rd</sup> Party Electrical Test group was on site Feb 6 to witness GSU testing activities.
- ◆ Draft Commissioning Back Energization Procedure issued for review and comment Feb 8
- ◆ Commissioning Back Energization Initial kick off meeting Feb 8
- ◆ Completed on site LOTO Training for all LG Construction Superintendents 20 Feb 12
- ◆ Daily Meetings at 0730 with CH2 Electrical Engineering to address open items.
- ◆ Issued Emissions Testing Bid Package
- ◆ Identified and completed temporary power requirements to commence system Commissioning prior to Backfeed of permanent power. Temp generator on order.
- ◆ Review of CEC requirements ongoing. Addressing commissioning required submittals. All submittals required by Startup for Feb 2012 complete.
- ◆ Meeting on site with GE to confirm documentation requirements for IWP's , CWP's, and system T/O packages.
- ◆ Assist Construction to work toward completion as required
- ◆ Continue to develop plans and/or ideas to help progress the project as safely and efficiently as possible.
- ◆ Added additional StartUp staff
- ◆ Completed review of Rev 3 P&ID's and comments forwarded to Engineering.
- ◆ Continuing review of Electrical drawings issued
- ◆ T/O database development in progress. Will complete when Engineering completes required database list(s).
- ◆ Completed review of current Engineering issued SDD's on BOP Mechanical systems. Will complete remainder of System SDD review when SDD's are complete by Engineering.
- ◆ GE Training Started on Feb 20 for Operations personnel
- ◆ Startup I&C Engineer mobilized onsite 20 Feb 12
- ◆ BOP Training scheduled to begin March 5<sup>th</sup>.

## 5 *Priorities/ Issues/ Concerns*

### **Pending Change Status**

#### **Change Order Status**

The delay in full site access was issued and responded to comments. MEL issued a change order for the first 16 day delay and proposed an offer for the delay from July 2<sup>nd</sup> to 17<sup>th</sup>. LGC is reviewing the offer and will respond.

The heater sizing for the anti-icing heater was issued and responded to comments. Further review is ongoing.

The transmission line installation was released by MEL during December for the area north of Kelso Road. LGC submitted the change order request for the additional mobilization charges from Contra Costa. The change order was approved by DGC during the month.

MEL requested that a raw water supply line be installed to provide water for the cattle troughs offsite. LGC issued a change order request for supplying the line. The change order was approved by DGC during the month.

A change order request for the delay in water delivery to the site per EPC Contract Article 5.1.4 c was issued to DGC during the month.

### **Priorities/ Issues/ Concerns**

#### **Claim Status**

No issues at this time.

## *6 Engineering Deliverables*

### **Master Document List**

### **Engineering Document Index with CBO review status**

The lists are attached at the end of the report.

## *7 Procurement Reports*

### **Procurement Status Reports**

The reports are included at the end of the report.

## *8 Quality Assurance/ Quality Control*

### *Quality Assurance*

#### **Engineering**

- No QA Program reviews

#### **Procurement**

- Supplier Surveillance activities -
  - Paul Twigg completed surveillance at TMI's shop in Holly MI and assisted in preparing submittals

#### **Supplier Shop Inspections**

Stellar/TMI – manufacturing surveillance and witness performance testing

#### **Construction**

Quality Assurance activities included continuing inspection of UG electrical and piping installation, pre-pour inspections and monitor civil activities.

- ♦ Monitor and inspection of UG/ AG electrical installation
- ♦ Monitor of foundation preparation and placement
- ♦ Receipt inspections of incoming material
- ♦ Monitor grading, fill and backfill activities
- ♦ Management of Materials Testing contract
- ♦ Monitor of compaction and concrete testing
- ♦ Review of specifications and revisions.
- ♦ Review and posting of Signet reports
- ♦ Interface with CBO and client
- ♦ Posting of Inspection Request
- ♦ Review of CBO Inspection Reports
- ♦ Review of drawings and revisions
- ♦ Review of Sub-Contractor submittals
- ♦ Monitor of field welding
- ♦ Review of subcontractor QC, NDE, and Equipment Maintenance & Storage records
- ♦ Inspection of foundations for equipment setting
- ♦ Monitor of equipment setting and grouting
- ♦ Field drawing audit of sub-contractor
- ♦ Monitor of Switchyard and T-Line structure installation
- ♦ Monitor of Hydrostatic and Pneumatic testing of piping systems

#### **Next Month Planned Major Activities**

Review of Supplier Submittals

#### **Upcoming Inspections and Testing**

Soils compaction

Concrete testing

Piping inspection and hydrostatic and pneumatic Testing

Grout testing

Hilti anchor bolt placement

CBC required building inspections

**Nonconformance Report Log**

NCR-001-MultiMedia Filter Skid pipe welding not in accordance with ASME B31.1 as per specification-Completed

NCR-002-Chiller pipe welding not in accordance with ASME B31.1 as per specification

NCR-003-Chiller insulation unacceptable due to multiple issues

## 9 *Project Schedule*

### *Schedule Overview*

The Level 3 re-baseline schedule was worked on during the month.

#### **Critical Path Analysis**

Progressing was completed on engineering, procurement and construction tasking.

#### **Critical Path Analysis:**

Engineering:

1. Finalizing Back Feed Document Requirements for PG&E

Procurement: None

Subcontracts:

1. Electrical/I&C Subcontract
2. Mechanical Subcontract

Construction:

1. CTG Centerline Assembly # 600, 700, 800, and 900
2. AG Electrical Work
3. Building Erection

Startup:

1. Preparation for Back Feed
2. CTG Commissioning

## 11 Progress Measurement

### **Engineering (Percent Complete) and Manpower**

The overall engineering percent complete is 98% and can be broken down by discipline as follows:

Architectural	98%
Civil	100%
Electrical	99%
General Arrangements	100%
Instrument & Controls	92%
Mechanical	98%
Piping	99%
Structural	98%
Transmission & Distribution	99%

The overall engineering progress curves are on the following sheets. The following graph also indicates the overall engineering manpower status based on full time equivalents.

### **Procurement (Percent Complete)**

The current procurement percent complete is 95%.

### **Construction (Percent Complete)**

The current construction percent complete is 75%

### **Overall (Percent Complete)**

The current overall percent complete is 82.7%



## *14 Meeting Status and Schedule*

- ◆ Project Review Meeting with MEL was held on February 14<sup>th</sup>
- ◆ Next Project Review Meeting with MEL will be held on March 15<sup>th</sup>.
- ◆ Switchyard Back-feed Meetings held with PG&E every Wednesday
- ◆ Next Project Meeting in April will be on the 12<sup>th</sup>.

## *15 Progress Photographs*



**Aerial Site View 1**



**Aerial Site View 2**





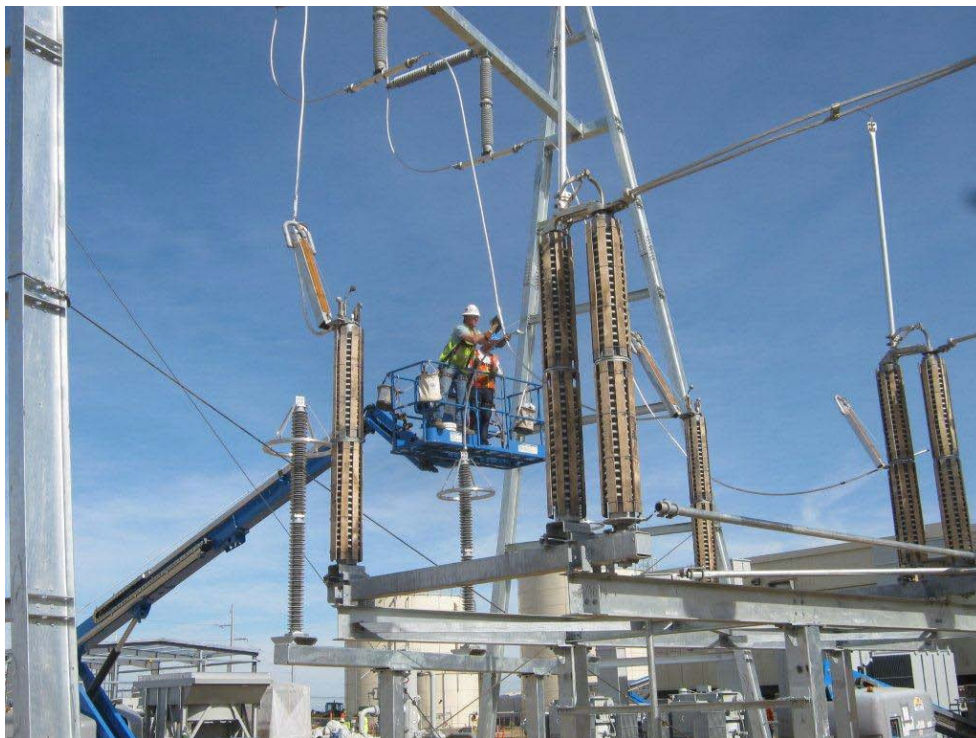
**Switchyard Installation**



**Setting Chiller Modules**



**Aerial View #3**



**Switchyard Installation**

**Exhibit 2**  
**Project Summary Schedule**

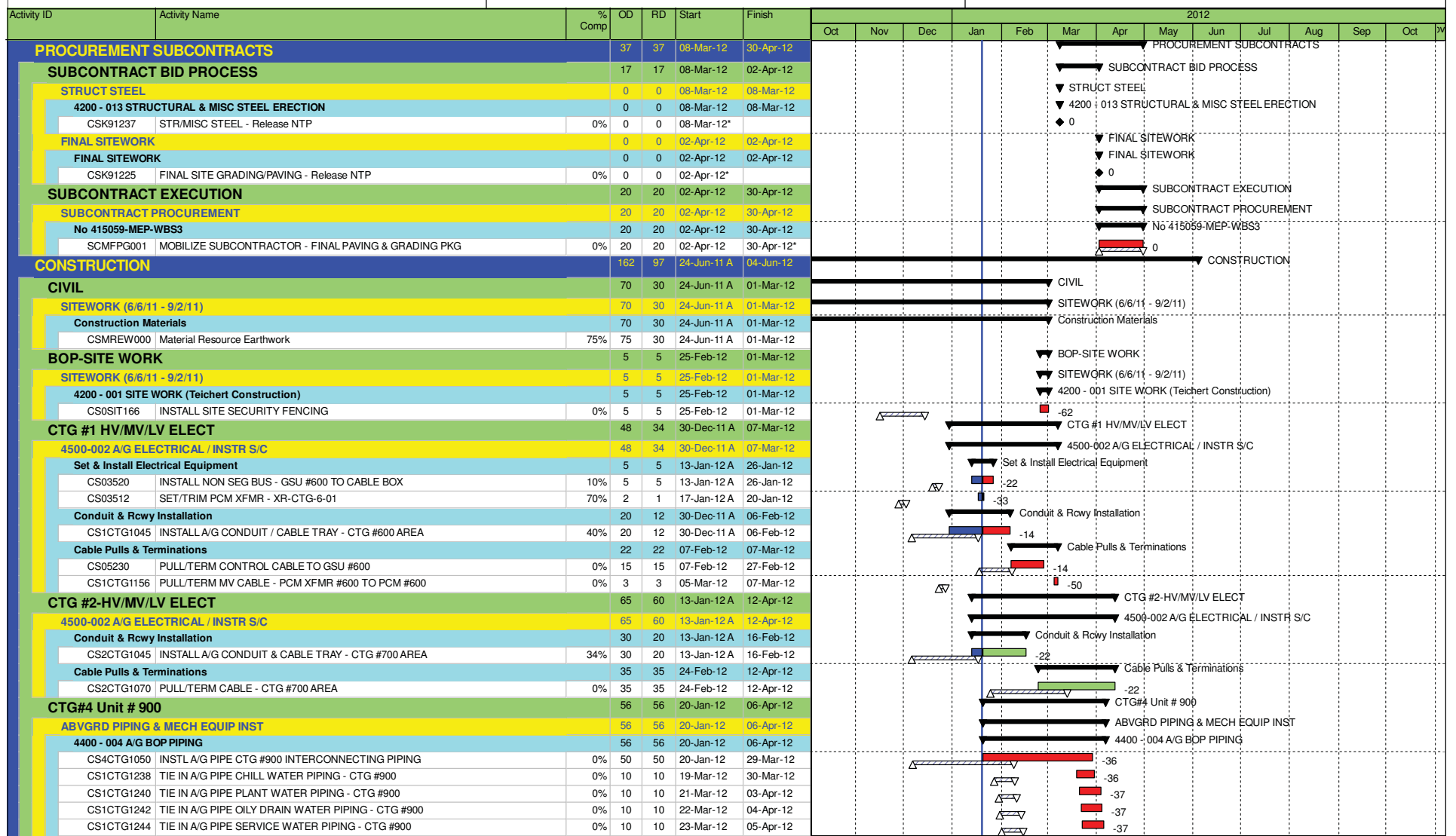
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## **LG Schedule**

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Activity ID	Activity Name	% Comp	OD	RD	Start	Finish	2012													
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
<b>MILESTONES</b>																				
<b>CONTRACT MILESTONES</b>																				
<b>MILESTONES</b>																				
<b>No 415059-MEP-WBS3</b>																				
MS1085	NAT GAS AVAILABLE BY OWNER	0%	0	0	15-Feb-12*	15-Feb-12*					◆ 0									
MS1080	BACK FEED POWER AVAILABLE BY OWNER	0%	0	0	23-Feb-12*	23-Feb-12*					◆ 3									
MS1091B	PROJECT MECHANICAL COMPLETION-U1 and U2 & BOP	0%	0	0	01-May-12*	01-May-12*							◆ 0							
MS1091C2	GUARANTEE FIRST FIRE UNITS 1&2	0%	0	0	01-May-12*	01-May-12*							◆ 0							
MS1091D	PROJECT MECHANICAL COMPLETION-U3 and U4	0%	0	0	15-May-12*	15-May-12*								◆ 0						
MS1091C4	GUARANTEE FIRST FIRE U3 AND U4	0%	0	0	15-May-12*	15-May-12*								◆ 0						
MS1091C	PROJECT GUARANTEED SUBSTANTIAL COMPLETION	0%	0	0	29-Jun-12*	29-Jun-12*										◆ 0				
<b>MAJOR PROJECT MILESTONES</b>																				
<b>MILESTONES</b>																				
<b>No 415059-MEP-WBS3</b>																				
MS1102	UTILITIES AVAILABLE	0%	0	0	30-Mar-12*	30-Mar-12*					◆ 0									
MS1106	INITIAL SYNC	0%	0	0	02-Apr-12*	02-Apr-12*					◆ 0									
MS1100	TARGET UNIT 1 READY FOR FIRST FIRE	0%	0	0	01-May-12*	01-May-12*							◆ 0							
MS1105	TARGET UNIT2 READY FOR FIRST FIRE	0%	0	0	01-May-12*	01-May-12*							◆ 0							
MS1090A	TARGET MECHANICAL COMPLETION-U1 and U2 (Target 01MAY12)	0%	0	0	01-May-12*	01-May-12*							◆ 0							
MS1090B	TARGET MECHANICAL COMPLETION-U3 and U4 (Target 15MAY12)	0%	0	0	15-May-12*	15-May-12*								◆ 0						
MS1110	TARGET UNIT 3 READY FOR FIRST FIRE	0%	0	0	15-May-12*	15-May-12*								◆ 0						
MS1115	TARGET UNIT 4 READY FOR FIRST FIRE	0%	0	0	15-May-12*	15-May-12*								◆ 0						
MS1090C	TARGET SUBSTANTIAL COMPLETION Target (29JUN12)	0%	0	0	17-Jun-12*	17-Jun-12*										◆ 12				
MS1104	COD	0%	0	0	29-Jun-12*	29-Jun-12*											◆ 2			
<b>ENGINEERING</b>																				
<b>PIPING</b>																				
<b>30 - UNDERGROUND DRAWINGS</b>																				
<b>U/G PIPE RECORD DRAWINGS</b>																				
EPPD960	U/G RECORD DRAWINGS (as built)	0%	5	5	23-Apr-12	27-Apr-12														
<b>SWITCHYARD</b>																				
<b>30-DRAWINGS AND MODELING</b>																				
<b>MISCELLANEOUS</b>																				
EPSSW1115	SWYD DEVELOP SCADA/RTU DWGS	75%	10	3	12-Dec-11 A	24-Jan-12														
EPSSW1117	SWYD ENG REVIEW SCADA/RTU DWGS	0%	1	1	25-Jan-12	25-Jan-12														
EPSSW1119	SWYD OWNERS REVIEW SCADA/RTU DWGS	0%	5	5	26-Jan-12	01-Feb-12														
EPSSW1121	SWYD ISSUE SCADA/RTU DWGS	0%	1	1	01-Feb-12	01-Feb-12														
<b>PROCUREMENT EQUIP / MATERIALS</b>																				
<b>ELECT</b>																				
<b>EQUIPMENT / MATERIAL PROCUREMENT</b>																				
<b>2300 - 017 POWER DISTRIBUTION CENTERS (PDC'S)</b>																				
PRET1770	PDC Fab and Deliver Target 12/16/11 (PO Date 1/17/12)	95%	162	6	02-Jun-11 A	27-Jan-12														
<b>INSTRUMENTS &amp; CONTROLS</b>																				
<b>EQUIPMENT / MATERIAL PROCUREMENT</b>																				
<b>2400 - 001 DISTRIBUTED CONTROL SYSTEMS (DCS'S)</b>																				
PRIT0170	DCS Fab and Deliver (PO Date 1/6/12)	60%	140	15	15-Jun-11 A	09-Feb-12														



Second Baseline
 Actual Work
 Critical Remaining Work
 Third Baseline
 Remaining Work
 Milestone



Activity ID	Activity Name	% Comp	OD	RD	Start	Finish	2012											
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
CS1CTG1246	TIE IN A/G PIPE DEMIN WATER PIPING - CTG #900	0%	10	10	26-Mar-12	06-Apr-12												
CS1CTG1248	TIE IN A/G PIPE LUBE OIL COOLER PIPING - CTG #900	0%	10	10	26-Mar-12	06-Apr-12												
<b>CTG #4-HV/MV/LV ELECT</b>																		
<b>CONCRETE FOUNDATIONS</b>																		
<b>4200 - 011 STRUCTURAL CONCRETE</b>																		
CS4MV1025	F/R/ POUR PCM XFMR FNDN - CTG #900	0%	11	11	20-Jan-12	03-Feb-12												
<b>4500-002 A/G ELECTRICAL / INSTR S/C</b>																		
<b>Set &amp; Install Electrical Equipment</b>																		
CS4MV1030	SET/TRIM PCM XFMR - XR-CTG-9-01	0%	5	5	06-Feb-12	10-Feb-12												
<b>Cable Pulls &amp; Terminations</b>																		
CS1CTG1194	PULL/TERM CABLE - PCM XFMR #900 TO PCM #900	0%	5	5	29-Feb-12	06-Mar-12												
CS1CTG1198	PULL/TERM CABLE - SWGR TO CTG XFMR #900	0%	10	10	07-Mar-12	20-Mar-12												
<b>PDC - AUX / SS XFMRs AREA - HV/MV ELECT</b>																		
<b>CONCRETE FOUNDATIONS</b>																		
<b>4200 - 011 STRUCTURAL CONCRETE</b>																		
CS82023	INSTALL SWITCHYARD FENCING	0%	5	5	24-Feb-12	01-Mar-12												
CS82027	INSTALL SWITCHYARD GRAVEL	0%	3	3	24-Feb-12	28-Feb-12												
<b>4500-002 A/G ELECTRICAL / INSTR S/C</b>																		
<b>4500 - 002 A/G ELECTRICAL CONSTRUCTION S/C (incl I&amp;C)</b>																		
CSPDC3480	SET & TRIM OUT PDC1 (latest ex works 1/27)	0%	20	20	06-Feb-12	02-Mar-12												
<b>Cable Pulls &amp; Terminations</b>																		
CSSWY1250	INSTALL SWITCHYARD GROUNDING	0%	5	5	24-Feb-12	01-Mar-12												
<b>EMMISSIONS CTRL MODULE/ STACK #600</b>																		
<b>CONCRETE FOUNDATIONS</b>																		
<b>Misc Auxiliary Equip Foundation Work</b>																		
CS81651	F/R/P 480V MCC FOUNDATION ECM # 600	0%	2	2	20-Jan-12	23-Jan-12												
<b>4500-002 A/G ELECTRICAL / INSTR S/C</b>																		
<b>Set &amp; Install Electrical Equipment</b>																		
CS4CTG1236	INSTALL 480V MCC (ELV 7-01) ECM # 600	0%	1	1	20-Mar-12	20-Mar-12												
<b>Cable Pulls &amp; Terminations</b>																		
CS1CTG1158	PULL/TERM MV CABLE - TEMPERING / SEAL AIR FANS ECM #600	0%	5	5	21-Mar-12	27-Mar-12												
<b>BOP-CHILLER AREA</b>																		
<b>CHILLER MODULE</b>																		
<b>4300 - 004 BOP EQUIPMENT INSTALLATION</b>																		
CSOCT1023	** Chiller 1st Delivery On Site Milestone** (po date 11/8/11)	0%	0	0		09-Feb-12*												
CSOCT1021	CHILLER MODULES ERECTION (1-2)	0%	50	50	10-Feb-12	19-Apr-12												
CSOCT1025	**Chiller 2nd Delivery on Site Milestone** (po date 11/22/11)	0%	0	0		16-Feb-12												
CSOCT1027	**Chiller 3rd Delivery on Site Milestone** (po date 12/6/11)	0%	0	0		01-Mar-12												
CSOCT1031	CHILLER MODULES ERECTION (3-4)	0%	50	50	02-Mar-12	10-May-12												
CSOCT1029	**Chiller 4th Delivery on Site Milestone** (po date 12/16/11)	0%	0	0		15-Mar-12												
CSOCT1085	INSTALL INTERNAL VENDOR SUPPLIED CHILLER PIPING	0%	45	45	16-Mar-12	17-May-12												
CSOCT1089	INSTALL CORRIOSION INHIBITOR TOTE AT CHILLER	0%	5	5	11-May-12	17-May-12												
CSOCT1091	INSTALL CHILLER ANTI-ICING HEATER	0%	3	3	11-May-12	15-May-12												
<b>ABVGRD PIPING &amp; MECH EQUIP INST</b>																		
<b>4400 - 004 A/G BOP PIPING</b>																		
CSOCT1010	TIE IN LB A/G PIPE - SUPPLY & RETURN CHILLER PIPING	0%	10	10	04-May-12	17-May-12												

Second Baseline

Actual Work

Critical Remaining Work

Third Baseline

Remaining Work

Milestone

Activity ID	Activity Name	% Comp	OD	RD	Start	Finish	2012											
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
CSOCT1083	TIE IN SB A/G PIPE - SERVICE WTR PPG AT CHILLER	0%	3	3	18-May-12	22-May-12												
CSOCT1087	INSTALL SB A/G PIPE PPG - CORRISION INHIBITOR TOTE TO A/G CHIL WTR AT CH	0%	5	5	18-May-12	24-May-12												
CSOCT1020	HYDRO PIPING CHILLER MODULE	0%	3	3	25-May-12	29-May-12												
4500-002 A/G ELECTRICAL / INSTR S/C			15	15	27-Apr-12	17-May-12												
Conduit & Rcwly Installation			10	10	27-Apr-12	10-May-12												
CSOCT1030	INSTALL A/G CONDUIT CHILLER AREA/MODULE	0%	10	10	27-Apr-12	10-May-12												
Cable Pulls & Terminations			14	14	30-Apr-12	17-May-12												
CSOCT1041	PULL/TERM CABLE CHILLER AREA MISC	0%	2	2	30-Apr-12	01-May-12												
CSOCT1035	PULL/TERM CABLE CHILLER MODULE	0%	5	5	11-May-12	17-May-12												
CSOCT1093	PULL/TERM CABLE - PDC TO CHILLER PANEL	0%	5	5	11-May-12	17-May-12												
BOP-ADMIN/CONTROL BLDG			40	25	20-Jan-12 A	23-Feb-12												
PRE-ENGR BLDGS			40	22	20-Jan-12 A	20-Feb-12												
4200 - 014 PRE-ENGINEERED METAL BUILDINGS			40	22	20-Jan-12 A	20-Feb-12												
CSOADMIN22	BUILDING UTILITIES (mep)	35%	40	22	20-Jan-12 A	20-Feb-12												
A/G ELECT & INST EQPT			7	7	15-Feb-12	23-Feb-12												
4500 - 002 A/G ELECTRICAL CONSTRUCTION S/C (incl I&C)			3	3	15-Feb-12	20-Feb-12												
CSODCS10	INSTALL DCS SYSTEM CONSOLES	0%	3	3	15-Feb-12	20-Feb-12												
Cable Pulls & Terminations			5	5	17-Feb-12	23-Feb-12												
CSODCS12	PULL/TERM FIBER OPTIC CABLE - DCS	0%	5	5	17-Feb-12	23-Feb-12												
BOP-MISC			30	30	20-Jan-12	01-Mar-12												
FINAL SITEWORK			30	30	20-Jan-12	01-Mar-12												
4200 - 001 SITE WORK (Teichert Construction)			30	30	20-Jan-12	01-Mar-12												
CS081495	CONSTRUCT SITE DETENTION BASIN	0%	30	30	20-Jan-12	01-Mar-12												
CS81925	INSTALL MULTI STAGE DISCHARGE STRUCTURE	0%	10	10	13-Feb-12	24-Feb-12												
CONSTRUCTION TURN OVER			73	73	23-Feb-12	04-Jun-12												
COMMISSION BOP SYSTEMS			52	52	23-Feb-12	04-May-12												
PLANT CONTROL SYSTEM - [DCS-0-1]			3	3	23-Feb-12	27-Feb-12												
CSOCTO3161	Constr Comp - PLANT CONTROL SYSTEM (DCS-0-1)	0%	1	1	23-Feb-12	23-Feb-12												
CSOCTO3163	CTO Walkdown - PLANT CONTROL SYSTEM (DCS-0-1)	0%	1	1	23-Feb-12	23-Feb-12												
CSOCTO3165	CTO Critical Punchlist Items - PLANT CONTROL SYSTEM (DCS-0-1)	0%	2	2	24-Feb-12	27-Feb-12												
MAIN WASTE WATER / SUMP - [WW-0-1]			3	3	02-May-12	04-May-12												
CSOCTO3171	Constr Comp - MAIN WASTE WATER/SUMP (WW-0-1)	0%	1	1	02-May-12	02-May-12												
CSOCTO3173	CTO Walkdown - MAIN WASTE WATER/SUMP (WW-0-1)	0%	1	1	02-May-12	02-May-12												
CSOCTO3175	CTO Critical Punchlist Items - MAIN WASTE WATER/SUMP (WW-0-1)	0%	2	2	03-May-12	04-May-12												
COMMISSION BOP MISC SYSTEMS			3	3	02-May-12	04-May-12												
PLANT / INSTRUMENT AIR - [PA-0-1]			3	3	02-May-12	04-May-12												
CSOCTO3181	Constr Comp - PLANT/INSTRUMENT AIR (PA-0-1)	0%	1	1	02-May-12	02-May-12												
CSOCTO3183	CTO Walkdown - PLANT/INSTRUMENT AIR (PA-0-1)	0%	1	1	02-May-12	02-May-12												
CSOCTO3185	CTO Critical Punchlist Items - PLANT/INSTRUMENT AIR (PA-0-1)	0%	2	2	03-May-12	04-May-12												
POTABLE WATER CHEMICAL FEED - [CF-0-1]			3	3	02-May-12	04-May-12												
CSOCTO3261	Constr Comp - POTABLE WATER CHEMICAL FEED (CF-0-1)	0%	1	1	02-May-12	02-May-12												
CSOCTO3263	CTO Walkdown - POTABLE WATER CHEMICAL FEED (CF-0-1)	0%	1	1	02-May-12	02-May-12												
CSOCTO3265	CTO Critical Punchlist Items - POTABLE WATER CHEMICAL FEED (CF-0-1)	0%	2	2	03-May-12	04-May-12												
POTABLE WATER / SAFETY SHOWERS - [PW-0-1]			3	3	02-May-12	04-May-12												
CSOCTO3763	Constr Comp - POTABLE WATER / SAFETY SHOWERS (PW-0-1)	0%	1	1	02-May-12	02-May-12												
CSOCTO3765	CTO Walkdown - POTABLE WATER / SAFETY SHOWERS (PW-0-1)	0%	1	1	02-May-12	02-May-12												

Second Baseline

Third Baseline

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Activity ID	Activity Name	% Comp	OD	RD	Start	Finish	2012													
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
CSOCTO3769	CTO Critical Punchlist Items - POTABLE WATER / SAFETY SHOWERS (PW-0-1)	0%	2	2	03-May-12	04-May-12														
COMMISSION RO/DEMIN WTR SYSTEMS																				
CHILLED WATER - [CHW-0-1]																				
CSOCTO3321	Constr Comp - CHILLED WATER (CHW-0-1)	0%	1	1	30-May-12	30-May-12														
CSOCTO3323	CTO Walkdown - CHILLED WATER (CHW-0-1)	0%	1	1	31-May-12	31-May-12														
CSOCTO3325	CTO Critical Punchlist Items - CHILLED WATER (CHW-0-1)	0%	2	2	01-Jun-12	04-Jun-12														
COMMISSION CTG # 600																				
CTG #600 COMBUSTION TURBINE EXHAUST - [CEG-6-1]																				
CSOCTO3201	Constr Comp - UNIT #600 CTG COMBUSTION TURBINE EXHAUST (CEG-6-1)	0%	1	1	28-Mar-12	28-Mar-12														
CTG #600 CO2 FIRE PROTECTION SYSTEM - [CFP-6-1]																				
CSOCTO3211	Constr Comp - UNIT #600 CTG CO2 FIRE PROTECTION (CFP-6-1)	0%	1	1	28-Mar-12	28-Mar-12														
CTG #600 FUEL GAS - [CFG-6-1]																				
CSOCTO3221	Constr Comp - UNIT #600 FUEL GAS (CFG-6-1)	0%	1	1	28-Mar-12	28-Mar-12														
CTG #600 LUBE OIL - [CLO-6-1]																				
CSOCTO3331	Constr Comp - UNIT #600 LUBE OIL (CLO-6-1)	0%	1	1	28-Mar-12	28-Mar-12														
COMMISSION CTG # 700																				
CTG #700 INLET AIR - [CAI-7-1]																				
CSOCTO3341	Constr Comp - UNIT #700 INLET AIR (CAI-7-1)	0%	1	1	28-Mar-12	28-Mar-12														
CSOCTO3343	CTO Walkdown - UNIT #700 INLET AIR (CAI-7-1)	0%	1	1	29-Mar-12	29-Mar-12														
CSOCTO3345	CTO Critical Punchlist Items - UNIT #700 INLET AIR (CAI-7-1)	0%	2	2	30-Mar-12	02-Apr-12														
CTG #700 COMBUSTION TURBINE - [CTG-7-1]																				
CSOCTO3371	Constr Comp - UNIT #700 COMBUSTION TURBINE (CTG-7-1)	0%	1	1	13-Apr-12	13-Apr-12														
CTG #700 GENERATOR and EXCITATION - [GEN-7-1]																				
CSOCTO3381	Constr Comp - UNIT #700 GENERATOR AND EXCITATION (GEN-7-1)	0%	1	1	16-Apr-12	16-Apr-12														
CSOCTO3383	CTO Walkdown - UNIT #700 GENERATOR AND EXCITATION (GEN-7-1)	0%	1	1	17-Apr-12	17-Apr-12														
CSOCTO3385	CTO Critical Punchlist Items - UNIT #700 GENERATOR AND EXCITATION (GEN-7-1)	0%	2	2	18-Apr-12	19-Apr-12														
CTG #700 COMBUSTION TURBINE EXHAUST - [CEG-7-1]																				
CSOCTO3391	Constr Comp - UNIT #700 COMBUSTION TURBINE EXHAUST (CEG-7-1)	0%	1	1	16-Apr-12	16-Apr-12														
CSOCTO3393	CTO Walkdown - UNIT #700 COMBUSTION TURBINE EXHAUST (CEG-7-1)	0%	1	1	17-Apr-12	17-Apr-12														
CSOCTO3395	CTO Critical Punchlist Items - UNIT #700 COMBUSTION TURBINE EXHAUST (CEG-7-1)	0%	2	2	18-Apr-12	19-Apr-12														
CTG #700 CO2 FIRE PROTECTION SYSTEM - [CFP-7-1]																				
CSOCTO3441	Constr Comp - UNIT #700 CO2 FIRE PROTECTION SYSTEM (CFP-7-1)	0%	1	1	29-Mar-12	29-Mar-12														
CTG #700 FUEL GAS - [CFG-7-1]																				
CSOCTO3451	Constr Comp - UNIT #700 FUEL GAS (CFG-7-1)	0%	1	1	29-Mar-12	29-Mar-12														
CTG #700 LUBE OIL - [CLO-7-1]																				
CSOCTO3461	Constr Comp - UNIT #700 LUBE OIL (CLO-7-1)	0%	1	1	29-Mar-12	29-Mar-12														
COMMISSION CTG # 800																				
CTG #800 INLET AIR - [CAI-8-1]																				
CSOCTO3491	Constr Comp - UNIT #800 INLET AIR (CAI -8-1)	0%	1	1	28-Mar-12	28-Mar-12														
CSOCTO3493	CTO Walkdown - UNIT #800 INLET AIR (CAI -8-1)	0%	1	1	29-Mar-12	29-Mar-12														
CSOCTO3495	CTO Critical Punchlist Items - UNIT #800 INLET AIR (CAI -8-1)	0%	2	2	30-Mar-12	02-Apr-12														
CTG #800 COMBUSTION TURBINE EXHAUST - [CEG-8-1]																				
CSOCTO3401	Constr Comp - UNIT #800 COMBUSTION TURBINE EXHAUST (CEG-8-1)	0%	1	1	25-Apr-12	25-Apr-12														
CSOCTO3403	CTO Walkdown - UNIT #800 COMBUSTION TURBINE EXHAUST (CEG-8-1)	0%	1	1	26-Apr-12	26-Apr-12														
CSOCTO3405	CTO Critical Punchlist Items - UNIT #800 COMBUSTION TURBINE EXHAUST (CEG-8-1)	0%	2	2	27-Apr-12	30-Apr-12														
CTG #800 CO2 FIRE PROTECTION SYSTEM - [CFP-8-1]																				
CSOCTO3411	Constr Comp - UNIT #800 CO2 FIRE PROTECTION SYSTEM (CFP-8-1)	0%	1	1	25-Apr-12	25-Apr-12														

Second Baseline

Third Baseline

Actual Work

Remaining Work

Critical Remaining Work

Milestone

TASK filter: Critical Float Construction.

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Second Baseline

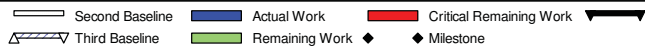
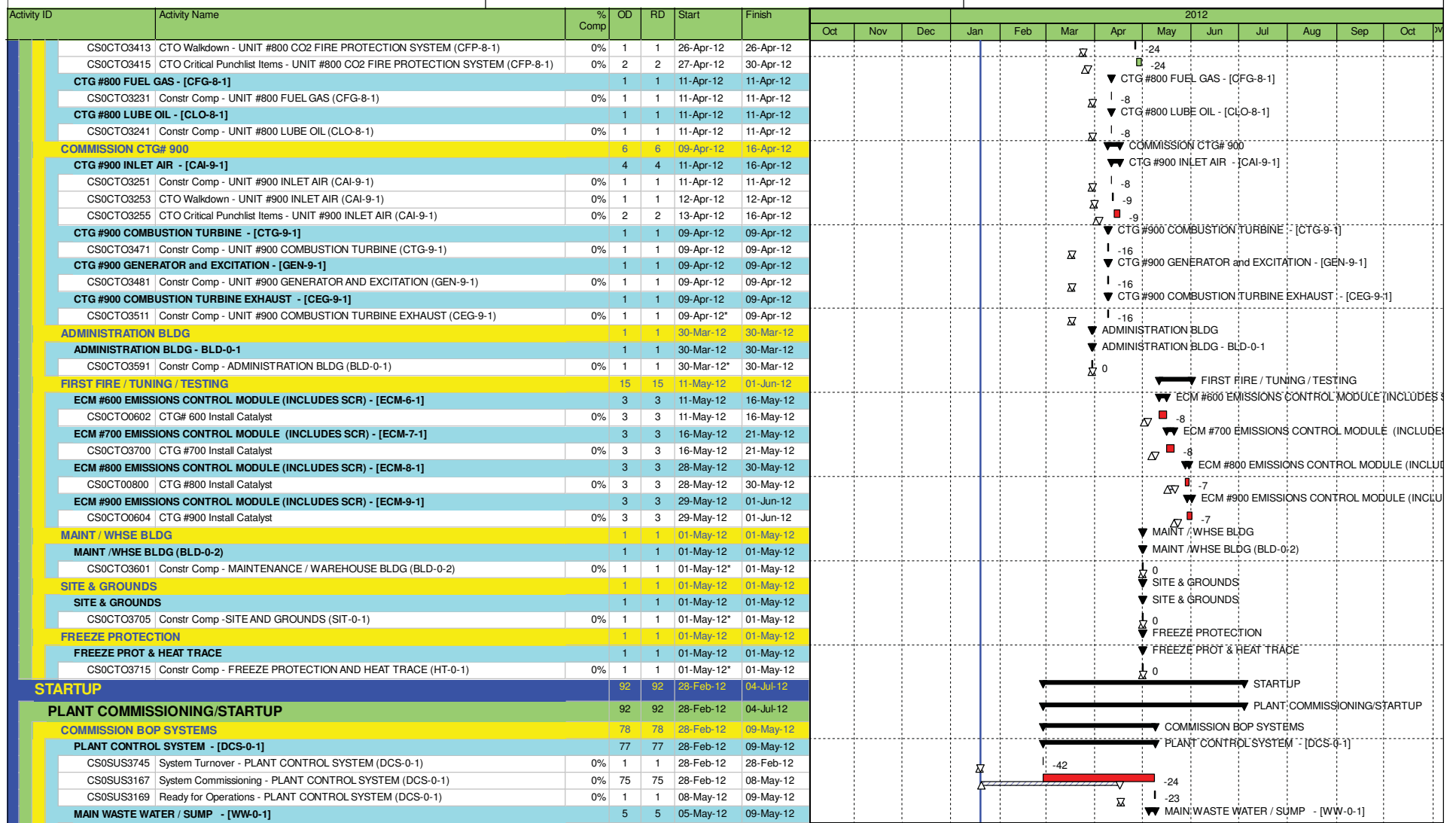
Third Baseline

Actual Work

Remaining Work

Critical Remaining Work

Milestone



Activity ID	Activity Name	Comp %	OD	RD	Start	Finish	2012											
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
CS0SUS3747	System Turnover - MAIN WASTE WATER/SUMP (WW-0-1)	0%	1	1	05-May-12	05-May-12												
CS0SUS3177	System Commissioning - MAIN WASTE WATER/SUMP (WW-0-1)	0%	3	3	05-May-12	09-May-12												
CS0SUS3179	Ready for Operations - MAIN WASTE WATER/SUMP (WW-0-1)	0%	1	1	09-May-12	09-May-12												
COMMISSION BOP MISC SYSTEMS			7	7	05-May-12	11-May-12												
PLANT / INSTRUMENT AIR - [PA-0-1]			7	7	05-May-12	11-May-12												
CS0SUS3749	System Turnover - PANT/INSTRUMENT AIR (PA-0-1)	0%	1	1	05-May-12	05-May-12												
CS0SUS3187	System Commissioning - PLANT/INSTRUMENT AIR (PA-0-1)	0%	5	5	05-May-12	10-May-12												
CS0SUS3189	Ready for Operations - PLANT/INSTRUMENT AIR (PA-0-1)	0%	1	1	10-May-12	11-May-12												
POTABLE WATER CHEMICAL FEED - [CF-0-1]			5	5	05-May-12	09-May-12												
CS0SUS3751	System Turnover - POTABLE WATER CHEMICAL FEED (CF-0-1)	0%	1	1	05-May-12	05-May-12												
CS0SUS3267	System Commissioning - POTABLE WATER CHEMICAL FEED (CF-0-1)	0%	3	3	05-May-12	09-May-12												
CS0SUS3771	Ready for Operations - POTABLE WATER CHEMICAL FEED (CF-0-1)	0%	1	1	09-May-12	09-May-12												
POTABLE WATER / SAFETY SHOWERS - [PW-0-1]			7	7	05-May-12	11-May-12												
CS0SUS3783	System Turnover - POTABLE WATER / SAFETY SHOWER (PW-0-1)	0%	1	1	05-May-12	05-May-12												
CS0SUS3767	System Commissioning - POTABLE WATER / SAFETY SHOWERS (PW-0-1)	0%	5	5	05-May-12	10-May-12												
CS0SUS3819	Ready for Operations - POTABLE WATER / SAFETY SHOWER	0%	1	1	10-May-12	11-May-12												
COMMISSION RO/DEMIN WTR SYSTEMS			11	11	05-Jun-12	14-Jun-12												
CHILLED WATER - [CHW-0-1]			11	11	05-Jun-12	14-Jun-12												
CS0SUS3769	System Turnover - CHILLED WATER (CHW-0-1)	0%	1	1	05-Jun-12	05-Jun-12												
CS0SUS3327	System Commissioning - CHILLED WATER (CHW-0-1)	0%	9	9	05-Jun-12	13-Jun-12												
CS0SUS3329	Ready for Operations - CHILLED WATER (CHW-0-1)	0%	1	1	14-Jun-12	14-Jun-12												
COMMISSION CTG # 700			9	9	04-May-12	12-May-12												
CTG #700 INLET AIR - [CAI-7-1]			5	5	04-May-12	08-May-12												
CS0SUS3353	System Turnover - UNIT #700 INLET AIR (CAI-7-1)	0%	1	1	04-May-12	04-May-12												
CS0SUS3347	System Commissioning - UNIT #700 INLET AIR (CAI-7-1)	0%	3	3	04-May-12	08-May-12												
CS0SUS3349	Ready for Operations - UNIT #700 INLET AIR (CAI-7-1)	0%	1	1	08-May-12	08-May-12												
CTG #700 COMBUSTION TURBINE - [CTG-7-1]			9	9	04-May-12	12-May-12												
CS0SUS3421	System Turnover - UNIT#700 COMBUSTION TURBINE (CTG-7-1)	0%	1	1	04-May-12	04-May-12												
CS0SUS3377	System Commissioning - UNIT #700 COMBUSTION TURBINE (CTG-7-1)	0%	7	7	04-May-12	11-May-12												
CS0SUS3379	Ready for Operations - UNIT #700 COMBUSTION TURBINE (CTG-7-1)	0%	1	1	11-May-12	12-May-12												
CTG #700 GENERATOR and EXCITATION - [GEN-7-1]			9	9	04-May-12	12-May-12												
CS0SUS3423	System Turnover - UNIT #700 GENERATOR AND EXCITOR (GEN-7-1)	0%	1	1	04-May-12	04-May-12												
CS0SUS3387	System Commissioning - UNIT #700 GENERATOR AND EXCITATION (GEN-7-1)	0%	7	7	04-May-12	11-May-12												
CS0SUS3389	Ready for Operations - UNIT #700 GENERATOR AND EXCITATION (GEN-7-1)	0%	1	1	11-May-12	12-May-12												
CTG #700 COMBUSTION TURBINE EXHAUST - [CEG-7-1]			5	5	04-May-12	08-May-12												
CS0SUS3425	System Turnover - UNIT #700 COMBUSTION TURBINE EXHAUST (CEG-7-1)	0%	1	1	04-May-12	04-May-12												
CS0SUS3397	System Commissioning - UNIT #700 COMBUSTION TURBINE EXHAUST (CEG-7-1)	0%	3	3	04-May-12	08-May-12												
CS0SUS3399	Ready for Operations - UNIT #700 COMBUSTION TURBINE EXHAUST (CEG-7-1)	0%	1	1	08-May-12	08-May-12												
CTG #700 CO2 FIRE PROTECTION SYSTEM - [CFP-7-1]			9	9	04-May-12	12-May-12												
CS0SUS3793	System Turnover - UNIT #700 CO2 FIRE PROTECTION SYSTEM (CFP-7-1)	0%	1	1	04-May-12	04-May-12												
CS0SUS3447	System Commissioning - UNIT #700 CO2 FIRE PROTECTION SYSTEM (CFP-7-1)	0%	7	7	04-May-12	11-May-12												
CS0SUS3449	Ready for Operations - UNIT #700 CO2 FIRE PROTECTION SYSTEM (CFP-7-1)	0%	1	1	11-May-12	12-May-12												
CTG #700 FUEL GAS - [CFG-7-1]			7	7	04-May-12	10-May-12												
CS0SUS3795	System Turnover - UNIT #700 FUEL GAS (CFG-7-1)	0%	1	1	04-May-12	04-May-12												
CS0SUS3457	System Commissioning - UNIT #700 FUEL GAS (CFG-7-1)	0%	5	5	04-May-12	09-May-12												
CS0SUS3459	Ready for Operations - UNIT #700 FUEL GAS (CFG-7-1)	0%	1	1	09-May-12	10-May-12												
CTG #700 LUBE OIL - [CLO-7-1]			7	7	04-May-12	10-May-12												

Second Baseline

Third Baseline

Actual Work

Remaining Work

Critical Remaining Work

Milestone



Activity ID	Activity Name	% Comp	OD	RD	Start	Finish	2012											
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
CS0SUS3797	System Turnover - UNIT #700 LUBE OIL (CLO-7-1)	0%	1	1	04-May-12	04-May-12							Σ	-25				
CS0SUS3467	System Commissioning - UNIT #700 LUBE OIL (CLO-7-1)	0%	5	5	04-May-12	09-May-12							Δ▽	-24				
CS0SUS3469	Ready for Operations - UNIT #700 LUBE OIL (CLO-7-1)	0%	1	1	09-May-12	10-May-12							Σ	-23				
COMMISSION CTG # 800			9	9	12-May-12	21-May-12							Σ	COMMISSION CTG # 800				
CTG #800 INLET AIR - [CAI-8-1]			5	5	12-May-12	16-May-12								CTG #800 INLET AIR - [CAI-8-1]				
CS0SUS3799	System Turnover - UNIT #800 INLET AIR (CAI-8-1)	0%	1	1	12-May-12	12-May-12							Σ	-26				
CS0SUS3497	System Commissioning - UNIT #800 INLET AIR (CAI -8-1)	0%	3	3	12-May-12	16-May-12							Δ	-25				
CS0SUS3499	Ready for Operations - UNIT #800 INLET AIR (CAI -8-1)	0%	1	1	16-May-12	16-May-12							Δ	-25				
CTG #800 COMBUSTION TURBINE - [CTG-8-1]			9	9	12-May-12	21-May-12								CTG #800 COMBUSTION TURBINE - [CTG-8-1]				
CS0SUS3801	System Turnover - UNIT #800 COMBUSTION TURBINE (CTG-8-1)	0%	1	1	12-May-12	12-May-12							Σ	-26				
CS0SUS3507	System Commissioning - Constr Comp - UNIT #800 COMBUSTION TURBINE (CTG-8-1	0%	7	7	12-May-12	19-May-12							Δ▽	-24				
CS0SUS3509	Ready for Operations - Constr Comp - UNIT #800 COMBUSTION TURBINE (CTG-8-1)	0%	1	1	19-May-12	21-May-12							Σ	-24				
CTG #800 GENERATOR and EXCITATION - [GEN-8-1]			9	9	12-May-12	21-May-12								CTG #800 GENERATOR and EXCITATION - [GEN-8-1]				
CS0SUS3283	System Turnover - UNOT #800 GENERATOR AND EXCITATION (GEN-8-1)	0%	1	1	12-May-12	12-May-12							Σ	-26				
CS0SUS3277	System Commissioning - UNIT #800 GENERATOR AND EXCITATION (GEN-8-1)	0%	7	7	12-May-12	19-May-12							Δ▽	-24				
CS0SUS3279	Ready for Operations - UNIT #800 GENERATOR AND EXCITATION (GEN-8-1)	0%	1	1	19-May-12	21-May-12							Σ	-24				
CTG #800 COMBUSTION TURBINE EXHAUST - [CEG-8-1]			5	5	12-May-12	16-May-12								CTG #800 COMBUSTION TURBINE EXHAUST - [CEG-8-1]				
CS0SUS3431	System Turnover - UNIT #800 COMBUSTION TURBINE EXHAUST (CEG-8-1)	0%	1	1	12-May-12	12-May-12							Σ	-26				
CS0SUS3407	System Commissioning - UNIT #800 COMBUSTION TURBINE EXHAUST (CEG-8-1)	0%	3	3	12-May-12	16-May-12							Δ	-25				
CS0SUS3409	Ready for Operations - UNIT #800 COMBUSTION TURBINE EXHAUST (CEG-8-1)	0%	1	1	16-May-12	16-May-12							Σ	-25				
CTG #800 CO2 FIRE PROTECTION SYSTEM - [CFP-8-1]			9	9	12-May-12	21-May-12								CTG #800 CO2 FIRE PROTECTION SYSTEM - [CFP-8-1]				
CS0SUS3433	System Turnover - UNIT #800 CO2 FIRE PROTECTION SYSTEM (CFP-8-1)	0%	1	1	12-May-12	12-May-12							Σ	-26				
CS0SUS3417	System Commissioning - UNIT #800 CO2 FIRE PROTECTION SYSTEM (CFP-8-1)	0%	7	7	12-May-12	19-May-12							Δ▽	-24				
CS0SUS3419	Ready for Operations - UNIT #800 CO2 FIRE PROTECTION SYSTEM (CFP-8-1)	0%	1	1	19-May-12	21-May-12							Σ	-24				
CTG #800 FUEL GAS - [CFG-8-1]			7	7	12-May-12	18-May-12								CTG #800 FUEL GAS - [CFG-8-1]				
CS0SUS3271	System Turnover - UNIT #800 FUEL GAS (CFG-8-1)	0%	1	1	12-May-12	12-May-12							Σ	-26				
CS0SUS3237	System Commissioning - UNIT #800 FUEL GAS (CFG-8-1)	0%	5	5	12-May-12	17-May-12							Δ▽	-25				
CS0SUS3239	Ready for Operations - UNIT #800 FUEL GAS (CFG-8-1)	0%	1	1	17-May-12	18-May-12							Σ	-25				
CTG #800 LUBE OIL - [CLO-8-1]			7	7	12-May-12	18-May-12								CTG #800 LUBE OIL - [CLO-8-1]				
CS0SUS3273	System Turnover - UNIT #800 LUBE OIL (CLO-8-1)	0%	1	1	12-May-12	12-May-12							Σ	-26				
CS0SUS3247	System Commissioning - UNIT #800 LUBE OIL (CLO-8-1)	0%	5	5	12-May-12	17-May-12							Δ▽	-25				
CS0SUS3249	Ready for Operations - UNIT #800 LUBE OIL (CLO-8-1)	0%	1	1	17-May-12	18-May-12							Σ	-25				
COMMISSION CTG# 900			7	7	11-May-12	21-May-12								COMMISSION CTG# 900				
CTG #900 INLET AIR - [CAI-9-1]			5	5	11-May-12	15-May-12								CTG #900 INLET AIR - [CAI-9-1]				
CS0SUS3275	System Turnover - UNIT #900 INLET AIR (CAI-9-1)	0%	1	1	11-May-12	11-May-12							Σ	-17				
CS0SUS3257	System Commissioning - UNIT #900 INLET AIR (CAI-9-1)	0%	3	3	11-May-12	15-May-12							Δ	-17				
CS0SUS3259	Ready for Operations - UNIT #900 INLET AIR (CAI-9-1)	0%	1	1	15-May-12	15-May-12							Σ	-16				
CTG #900 COMBUSTION TURBINE - [CTG-9-1]			9	9	11-May-12	19-May-12								CTG #900 COMBUSTION TURBINE - [CTG-9-1]				
CS0SUS3491	System Turnover - UNIT #900 COMBUSTION TURBINE (CTG-9-1)	0%	1	1	11-May-12	11-May-12							Σ	-17				
CS0SUS3477	System Commissioning - UNIT #900 COMBUSTION TURBINE (CTG-9-1)	0%	7	7	11-May-12	18-May-12							Δ▽	-16				
CS0SUS3479	Ready for Operations - UNIT #900 COMBUSTION TURBINE (CTG-9-1)	0%	1	1	18-May-12	19-May-12							Σ	-15				
CTG #900 GENERATOR and EXCITATION - [GEN-9-1]			9	9	11-May-12	21-May-12								CTG #900 GENERATOR and EXCITATION - [GEN-9-1]				
CS0SUS3493	System Turnover - UNIT #900 GENERATOR AND EXCITATION (GEN-9-1)	0%	1	1	11-May-12	11-May-12							Σ	-14				
CS0SUS3487	System Commissioning - UNIT #900 GENERATOR AND EXCITATION (GEN-9-1)	0%	7	7	12-May-12	19-May-12							Δ▽	-14				
CS0SUS3489	Ready for Operations - UNIT #900 GENERATOR AND EXCITATION (GEN-9-1)	0%	1	1	21-May-12	21-May-12							Σ	-14				
CTG #900 COMBUSTION TURBINE EXHAUST - [CEG-9-1]			5	5	11-May-12	16-May-12								CTG #900 COMBUSTION TURBINE EXHAUST - [CEG-9-1]				
CS0SUS3803	System Turnover - UNIT #900 COMBUSTION TURBINE EXHAUST (CEG-9-1)	0%	1	1	11-May-12	11-May-12							Σ	-17				

Activity ID	Activity Name	% Comp	OD	RD	Start	Finish	2012											
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
CS0SUS3517	System Commissioning - UNIT #900 COMBUSTION TURBINE EXHAUST (CEG-9-1)	0%	3	3	11-May-12	15-May-12												
CS0SUS3519	Ready for Operations - UNIT #900 COMBUSTION TURBINE EXHAUST (CEG-9-1)	0%	1	1	15-May-12	16-May-12												
<b>CTG #900 CTG CO2 FIRE PROTECTION SYSTEM - [CFP-9-1]</b>																		
CS0SUS3805	System Turnover - UNIT #900 CO2 FIRE PROTECTION SYSTEM (CFP-9-1)	0%	1	1	11-May-12	11-May-12												
CS0SUS3527	System Commissioning - UNIT #900 CO2 FIRE PROTECTION SYSTEM (CFP-9-1)	0%	7	7	11-May-12	18-May-12												
CS0SUS3529	Ready for Operations - UNIT #900 CO2 FIRE PROTECTION SYSTEM (CFP-9-1)	0%	1	1	18-May-12	19-May-12												
<b>CTG #900 FUEL GAS - [CFG-9-1]</b>																		
CS0SUS3807	System Turnover - UNIT #900 FUEL GAS (CFG-9-1)	0%	1	1	11-May-12	11-May-12												
CS0SUS3537	System Commissioning - UNIT #900 FUEL GAS (CFG-9-1)	0%	5	5	11-May-12	16-May-12												
CS0SUS3539	Ready for Operations - UNIT #900 FUEL GAS (CFG-9-1)	0%	1	1	16-May-12	17-May-12												
<b>CTG #900 LUBE OIL - [CLO-9-1]</b>																		
CS0SUS3809	System Turnover - UNIT #900 LUBE OL (CLO-9-1)	0%	1	1	11-May-12	11-May-12												
CS0SUS3567	System Commissioning - UNIT #900 LUBE OIL (CLO-9-1)	0%	5	5	11-May-12	16-May-12												
CS0SUS3569	Ready for Operations - UNIT #900 LUBE OIL (CLO-9-1)	0%	1	1	16-May-12	17-May-12												
<b>FIRST FIRE / TUNING / TESTING</b>																		
<b>FIRST FIRE / TUNING / TESTING</b>																		
CS0SUS0600	CTG# 600 First Fire / Tune (Target 01MAY12)	0%	0	0	11-May-12	11-May-12												
CS0SUS3673	CTG# 600 - ECM Tuning	0%	7	7	16-May-12	23-May-12												
CS0SUS0700	CTG# 700 First Fire / Tune (Target 01MAY12)	0%	0	0	16-May-12	16-May-12												
CS0SUS3681	CTG# 700 - ECM Tuning	0%	10	10	21-May-12	31-May-12												
CS0SUS3697	CTG# 900 - ECM Tuning	0%	10	10	22-May-12	01-Jun-12												
CS0SUS3677	CTG# 600 Thermal Performance Testing	0%	2	2	23-May-12	25-May-12												
CS0SUS3679	CTG# 600 Emissions / RATA Testing	0%	5	5	25-May-12	30-May-12												
CS0SUS0800	CTG# 800 First Fire / Tune (Target 15MAY12)	0%	0	0	26-May-12	26-May-12												
CS0SUS0900	CTG# 900 First Fire / Tune (Target 15MAY12)	0%	0	0	29-May-12	29-May-12												
CS0SUS3689	CTG# 800 - ECM Tuning	0%	10	10	31-May-12	09-Jun-12												
CS0SUS3685	CTG# 700 Thermal Performance Testing	0%	2	2	31-May-12	02-Jun-12												
CS0SUS3699	CTG# 900 Thermal Performance Testing	0%	2	2	01-Jun-12	03-Jun-12												
CS0SUS3687	CTG# 700 Emissions / RATA Testing	0%	5	5	02-Jun-12	07-Jun-12												
CS0SUS3693	CTG# 800 Thermal Performance Testing	0%	2	2	10-Jun-12	11-Jun-12												
CS0SUS3695	CTG# 800 Emissions / RATA Testing	0%	5	5	12-Jun-12	16-Jun-12												
CS0SUS3703	CTG# 900 Emissions / RATA Testing	0%	5	5	17-Jun-12	21-Jun-12												
<b>COMMISSIONING</b>																		
<b>No 415059-MEP-WBS3</b>																		
CS0SUS000	COMMISSION FOR BACKFEED GSU#1	0%	48	48	03-Mar-12	19-Apr-12												
CS0SUS001	COMMISSION BOP ELECT SYST	0%	20	20	20-Apr-12	09-May-12												
CS0SUS002	COMMISSION WASTE WATER SYST	0%	20	20	26-Apr-12	15-May-12												
CS0SUS003	COMMISSION COOLING WTR SYST	0%	20	20	26-Apr-12	15-May-12												
CS0SUS004	COMMISSION DEMIN WTR SYST	0%	20	20	26-Apr-12	15-May-12												
CS0SUS005	COMMISSION FUEL SYST	0%	20	20	26-Apr-12	15-May-12												
CS0SUS006	COMMISSION CTG/ECM#600	0%	20	20	26-Apr-12	15-May-12												
CS0SUS008	COMMISSION CTG/ECM#700	0%	24	24	26-Apr-12	23-May-12												
CS0SUS009	COMMISSION CTG/ECM#800	0%	20	20	26-Apr-12	18-May-12												
CS0SUS010	COMMISSION CTG/ECM#900	0%	20	20	26-Apr-12	18-May-12												
CS0SUS016	COMMISSION BOP MISC	0%	20	20	26-Apr-12	15-May-12												
<b>No 415059-MEP-WBS4</b>																		
<b>PROJECT MECH COMPL UNITS 1 &amp; 2</b>																		

Second Baseline

Actual Work

Critical Remaining Work

Third Baseline

Remaining Work

Milestone

Activity ID	Activity Name	% Comp	OD	RD	Start	Finish	2012											
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
CS0SUS3755	Project Mechanical Completion Unit 600 & 700	0%	0	0	16-May-12	16-May-12*								Σ	-10			
PROJECT MECH COMPL UNITS 3 & 4			1	1	26-May-12	27-May-12								▼				
CS0SUS3757	Project Mechanical Completion Unit 800 & 900	0%	1	1	26-May-12	27-May-12*								Σ	-10			
SUBSTANTIAL COMPLETEION			14	14	20-Jun-12	04-Jul-12										▬		
CS0SUS3701	Overall Plant Tuning / Demonstration Test	0%	14	14	20-Jun-12	03-Jul-12										▬	7	
CS0SUS1000	GUARANTEED SUBSTANTIAL COMPLETION	0%	0	0	04-Jul-12	04-Jul-12*										▬	6	



**Exhibit 3**  
**Look Ahead Schedules**

---



Activity Description	Week 25							Week 25							Week 25							TARGET START DATE	Comments
	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su		
	2/20	2/21	2/22	2/23	2/24	2/25	2/26	2/27	2/28	2/29	3/1	3/2	3/3	3/4	3/5	3/6	3/7	3/8	3/9	3/10	3/11		
MOB																							I=INSPECTION
OVERAA FOUNDATIONS																							P=POUR
#36-38-37																							
FORM SOG	X																						
INSTALL REBAR		X	X	X																			
INSTALL BOLT																							
IOR -LG INSPECTION				I							I												
PLACE & FINISH SOG					P						P												
STRIP CLEAN WATERBLAST								X	X	X					X	X							
PIPE SUPPORTS@TANKS&COMP. YARD																							
MASS EX AND LAYOUT																							
FORM SOG	X	X	X	X																			
INSTALL REBAR	X																						
INSTALL BOLTS	X																						
IOR -LG INSPECTION	I			I																			
PLACE AND FINISH SOG					P																		
STRIP CLEAN WATERBLAST								X	X	X													
ENGINE REMOVAL PADS																							
MASS EX AND LAYOUT								X	X	X	X	X											
FORM SOG					X				X	X	X	X											
INSTALL REBAR										X	X	X											
INSTALL BOLTS											X	X	X										
IOR -LG INSPECTION											I												
PLACE AND FINISH SOG												P											
STRIP CLEAN WATERBLAST															X	X	X						
FUEL GAS LET DOWN STATION ANALYZER																							
FORM SOG		X	X	X																			
INSTALL REBAR																							
INSTALL BOLTS																							
IOR -LG INSPECTION				I																			
PLACE AND FINISH SOG					P																		
STRIP CLEAN WATERBLAST								X	X														
DEAD END STRUCT. BRACEING																							
FORM SOG				X	X			X	X	X	X												
INSTALL REBAR								X	X	X	X												
INSTALL BOLTS										X	X												
IOR -LG INSPECTION											I												
PLACE AND FINISH CURBS AND PEDS												P											
STRIP CLEAN WATERBLAST															X	X							
DEMIN WATER TRAILOR PADS																							
FORM SOG								X	X	X	X												



Activity Description	Week 25							Week 25							Week 25							TARGET START DATE	Comments
	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su		
	2/20	2/21	2/22	2/23	2/24	2/25	2/26	2/27	2/28	2/29	3/1	3/2	3/3	3/4	3/5	3/6	3/7	3/8	3/9	3/10	3/11		
INSTALL REBAR									X	X	X												
IOR -LG INSPECTION											I												
PLACE & FINISH SOG												P											
STRIP CLEAN WATERBLAST															X	X	X						
MISC STAIR LANDINGS																							
FORM SOG									X	X	X												
INSTALL REBAR										X	X												
IOR -LG INSPECTION											I												
PLACE AND FINISH SOG												P											
STRIP CLEAN WATERBLAST															X	X	X						
DE-MOB CLEAN UP AND PUNCHLIST								X	X	X	X	X			X	X	X	X	C				SUBSTANTIAL COMPLETION 1/13/2012
PUNCH LIST WALK @600&700								P															
PUCHLIST WALK @800										P													
PUNCH LIST @900												P											
PUNCH LIST REMAINIG FND WALK																P							
FINAL WALK																		P	P				
Personnel:																							
Craft	0	7	7	7	7			7	7	7	7	7			3	3	3	3	3				
Carpenter	0	5	5	5	5			5	5	5	5	5			2	2	2	2	2				
Laborer	0	2	2	2	2			2	2	2	2	2			1	1	1	1	1				
Operators																							
Ironworker																							
DOLAN(Concrete)																							
Total Personnel	5	7	7	7	7	###	###	5	7	7	7	7	###	###	5	7	7	7	7	###	###		

NORTH STAR SURVEY
IOR-LG
TEICHERT
COLINS /ASCO
OVERAA
PCS

# AZCO INC.

Page \_\_\_1\_\_\_ of \_\_\_1\_\_\_

## 3-WEEK LOOK AHEAD

WORK ITEMS	MONTH	February																	March																	% COMPLETE	COMMENTS
	DAY	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S															
	DATE	26	27	28	29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17															
<b>GAS TURBINES</b>																																					
<b>600</b>																																					
T supports and pipe supports			x	x	x	x																															
Prep unit for oil flush				x	x	x	x																														
Grout Misc equipment										x	x	x	x	x			x	x																			
<b>Piping</b>																																					
GE interconnect piping																								complete													
CHW chilled water																								complete													
FG fuel gas																								complete													
Lube oil piping																								complete													
ammonia, insrament / service air																								complete													
DEQ																								complete													
DW demineralized water																								complete													
DWW																								complete													
Pipe supports				x	x	x	x																														
Piping punchlists				x	x	x	x			x	x	x																									
B = BEGIN    S = SUSPEND    C = COMPLETE    X = ACTIVITY    - - - = INTERMITTENT WORK    P = POUR																																					
CLIENT	CH2MHILL		Mariposa		ISSUE DATE:		October 24, 2011																														
LOCATION	Byron, Ca		14453		BY		Joe Secola, Project Coordinator																														

### 3-WEEK LOOK AHEAD

Page 1 of 1

WORK ITEMS	MONTH	February																March											%	COMMENTS
	DAY	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	COMPLETE							
	DATE	26	27	28	29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17								
GAS TURBINES																														
700																														
Setup oil flush														x			x	x												
Misc grout equip										x	x	x	x	x			x	x												
Co2 fire protection			x	x	x	x	x																							
Lube oil Flush																		x	x	x	x									
Piping																														
GE interconnect piping																									Complete					
CHW chilled water																									Complete					
FG fuel gas																									Complete					
Lube oil piping																									Complete					
ammonia, insrament / service air				x	x	x	x																							
DEQ				x	x	x	x																							
DW demineralized water										x	x	x	x	x			x								complete					
DWW				x	x	x	x				x	x	x																	
Pipe supports				x	x	x	x				x	x	x	x																
Piping punchlist										x	x	x	x	x																
											</																			

# AZCO INC.

Page \_\_\_1\_\_\_ of \_\_\_1\_\_\_

## 3-WEEK LOOK AHEAD

WORK ITEMS	MONTH	February																	March																	% COMPLETE	COMMENTS
	DAY	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S															
	DATE	26	27	28	29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17															
<b>GAS TURBINES</b>																																					
<b>800</b>																																					
Grout CTG and aux			x	x	x	x	x																														
CO2 fire protection						x	x																														
Inlet air filters			x	x	x																																
Stack platforms and ladder											x	x	x	x			x																				
Tempering air duct and fans			x	x	x	x	x			x	x																										
ECM ammonia piping			x	x	x	x	x				x	x																									
<b>Piping</b>																																					
GE interconnect piping			x	x	x	x	x				x	x	x																								
CHW chilled water			x	x	x	x	x																														
FG fuel gas			x	x	x	x	x				x	x																									
Lube oil piping			x	x	x	x	x																														
ammonia, insrament / service air						x	x				x	x	x	x																							
DEQ											x	x	x	x				x	x	x	x																
DW demineralized water			x	x																																	
DWW											x	x	x	x			x	x	x																		
Pipe supports			x	x	x	x	x				x	x	x	x																							

B = BEGIN

S = SUSPEND

C = COMPLETE

X = ACTIVITY

--- = INTERMITTENT WORK

P = POUR

CLIENT

CH2MHILL

Mariposa

ISSUE DATE:

October 24, 2011

LOCATION

Byron, Ca

14453

BY

Joe Secola, Project Coordinator

## Page 1 of 1

## Page 1 of 1

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# AZCO INC.

Page \_\_\_1\_\_\_ of \_\_\_1\_\_\_

## 3-WEEK LOOK AHEAD

WORK ITEMS	MONTH	February																	March																	% COMPLETE	COMMENTS
	DAY	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	S	M	T	W	TH	F	S															
	DATE	26	27	28	29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17															
<b>Fuel gas area</b>																																					
Large bore fuel gas piping			x	x	x	x	x				x	x	x	x			x	x	x	x	x																
Pressure testing											x	x	x				x	x	x	x	x																
Sound enclosure installation										x	x	x	x	x			x	x																			
							x			x	x	x	x	x																							
Small bore piping													x	x			x	x	x	x	x																
<b>Ammonia unloading</b>																																					
set pumps																																					
ammonia piping													x	x				x	x	x	x																
<b>Tank area</b>																																					
service water piping			x	x	x	x	x			x	x	x	x	x																							
Fire protection piping													x	x																							
Demin water piping			x	x	x	x	x			x	x	x	x	x																							
pipe testing																	x	x	x	x	x																
<b>Chiller area</b>																																					
Set unit 2 Top sections										x	x																										
fittup and weld #1				x	x	x	x			x	x	x	x	x																							
Set unit 3 weld top seam				x	x	x				x	x	x	x	x			x	x	x																		
set unit 1 top sections														x			x	x	x	x	x																
fittup and weld #3												x	x	x			x	x																			
set # 3 top																			x	x	x																
Piping anti icing heat exch				x	x	x	x			x	x	x	x	x			x	x	x																		

B = BEGIN

S = SUSPEND

C = COMPLETE

X = ACTIVITY

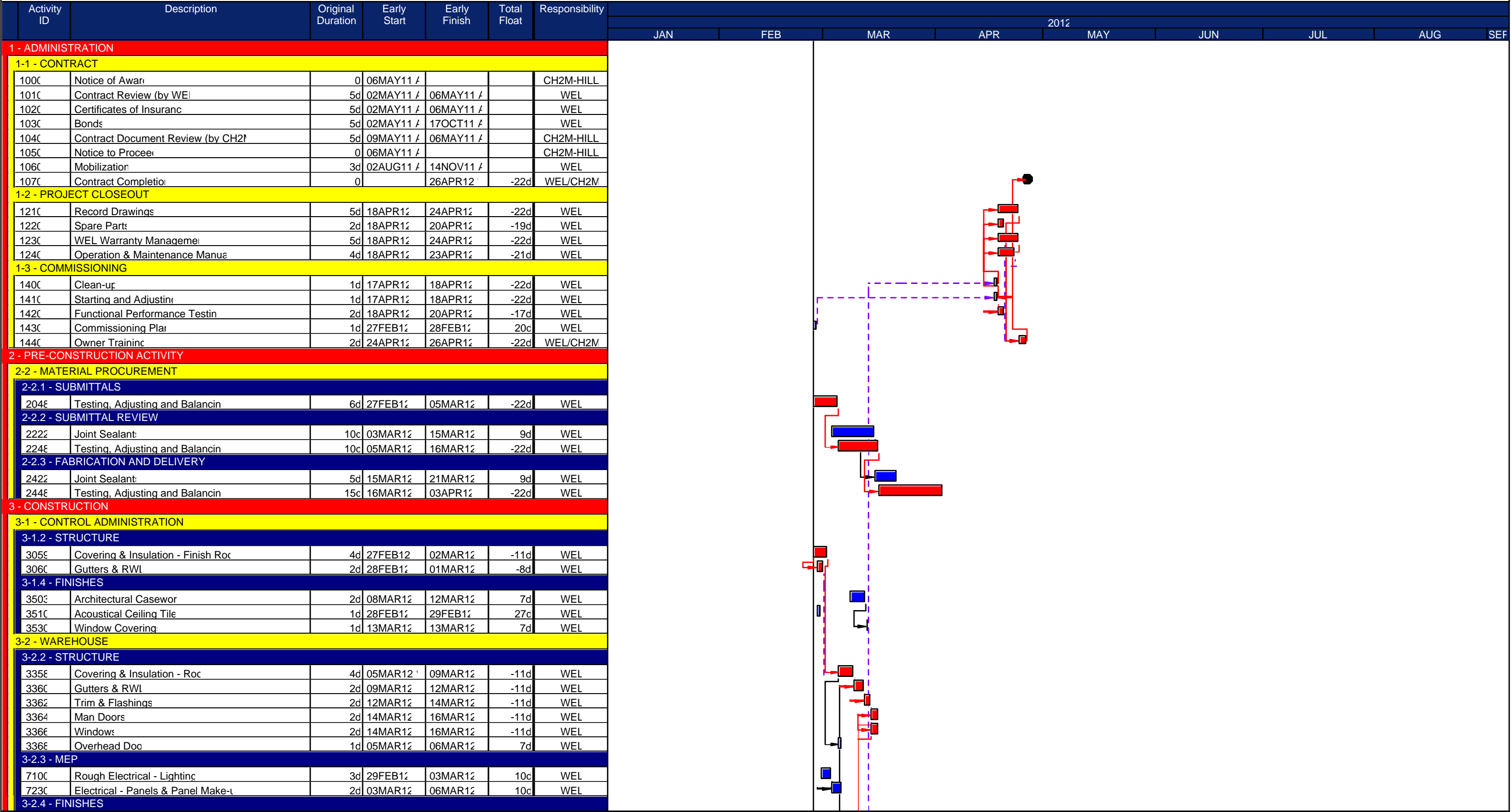
--- = INTERMITTENT WORK

P = POUR

CLIENT	CH2MHILL	Mariposa	ISSUE DATE:	October 24, 2011
LOCATION	Byron, Ca	14453	BY	Joe Secola, Project Coordinator



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	Activity ID	Description	Original Duration	Early Start	Early Finish	Total Float	Responsibility												
								2012											
								JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
901C	Hollow Metal Frame:	2d	01MAR12	03MAR12	-2d	WEL													
906C	Gypsum Drywa	8d	14MAR12	23MAR12	-11d	WEL													
3-3 - AIR COMPRESSOR SHED																			
3-3.2 - STRUCTURE																			
365E	Covering - Roof	2d	09MAR12	12MAR12	8d	WEL													
365F	Gutters & RWI	1d	12MAR12	13MAR12	8d	WEL													
366C	Trim & Flashings	1d	12MAR12	13MAR12	8d	WEL													

**Mariposa Switch Yard**  
**Monday, February 27, 2012**

	Week 1							Week 2							Week 3							Comments
	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	
Activity Description	2/27	2/28	2/29	3/1	3/2	3/3	3/4	3/5	3/6	3/7	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	
Set Steel																						
Grout			X	X	X																	
Set 230kv Vert. Disc. Swt.																						
Dress out 230kv Vert. Disc. Swt.	X	X	X																			
Weld Bus/Fittings																						
954 Jumpers																						
Metering XFMR		X																				
PT		X	X	X	X																	
SF6		X	X	X	X																	
CVT		X	X																			
Connect Steel / Equipment grid		X	X	X	X																	
Demob								X	X	X	X											

**Issues & Interfaces:**

**Waiting for reply on jumper clearance, A307 bolt torque spec., and ADSS routing.**

## Summit Fire Protection

Today's Date: 2/27/2012 Monday  
(vertical red line)

Project Lead: Chris Kirby  
Start Date: 2/6/2012 Monday

First Day of Week (Mon=2): 2

[illegible]

**Exhibit 4**  
**Key Events List**

---

**COMPLIANCE TABLE 1**  
**SUMMARY of COMPLIANCE CONDITIONS OF CERTIFICATION**

---

**KEY EVENTS LIST**

PROJECT: Mariposa Energy Project

---

DOCKET #: 09-AFC-03C

---

COMPLIANCE PROJECT MANAGER: Craig Hoffman

---

EVENT DESCRIPTION	DATE
Certification Date	5/18/11
Obtain Site Control	6/15/11*
Online Date	7/1/12
<b>POWER PLANT SITE ACTIVITIES</b>	
Start Site Mobilization	6/7/11
Start Ground Disturbance	6/7/11
Start Grading	6/15/11
Start Construction	6/7/11
Begin Pouring Major Foundation Concrete	6/22/11
Begin Installation of Major Equipment	10/21/11
Completion of Installation of Major Equipment	5/1/12
First Combustion of Gas Turbine	5/15/12
Obtain Building Occupation Permit	5/29/12
Start Commercial Operation	7/1/12
Complete All Construction	7/1/12
<b>TRANSMISSION LINE ACTIVITIES</b>	
Start T/L Construction	09/2/11
Synchronization with Grid and Interconnection	04/25/12
Complete T/L Construction	3/9/12
<b>FUEL SUPPLY LINE ACTIVITIES</b>	
Start Gas Pipeline Construction and Interconnection	1/17/12
Complete Gas Pipeline Construction	2/27/12
<b>WATER SUPPLY LINE ACTIVITIES</b>	
Start Water Supply Line Construction	6/7/11
Complete Water Supply Line Construction	3/31/12

## **COMPLIANCE TABLE 1**

### **SUMMARY of COMPLIANCE CONDITIONS OF CERTIFICATION**

---

\*A full NTP was issued on June 15, 2011, however a partial NTP was issued on June 3, 2011, which allowed the completion of land surveying activities, installation of the worker and biological exclusion fencing, installation of BMPs, and the completion of preconstruction surveys.



**Exhibit 5**  
**Construction Photographs**

---



The access ladders and platforms at ECM 600 were completed in February.



The transmission line conductors were installed and tensioned in February.



The fire water piping was hydrostatically tested in early February. The hydrants and shut-off valves were installed and the excavations backfilled



Lightening rod poles were installed at GSU's 600, 700 and 800.





PG&E performed the hot-tap of the existing twenty-six inch gas pipeline for the new eight inch line to supply the site on February 3, 2012.



The first two sections of the Power Distribution Center installed above. All four sections were placed on the concrete columns on February 6, 2012.



Formwork is installed for the concrete foundation for the sound wall panels at the Fuel Gas Compressor pads.



Conductors installed above at the 230 KV primary disconnect switch.





Cable pulling began with high voltage wire between 15KV breakers and GSU bus ducts.



The interior of the admin/control building was sheet rocked and taped in early February.



View of the site at the south end on February 10, 2012.



The warehouse building structure was installed in mid-February.





The pumps for the BBID water pipeline were successfully tested on February 15-16, 2012.



Finishes were installed in the admin/control building including painting, floor covering, acoustical ceiling grid and light fixtures in late February.





The high voltage wiring was terminated at the bus duct for GSU 600.



The high voltage wire between the GSU bus duct and 15 KV breaker rests on cable tray in the control vault below the breaker before entering underground conduits.



The conductors are being installed at the Switchyard dead end structure that transitions the conductors to the transmission line pole 1.



The anti-icing heater transformer was placed on the foundation on February 21, 2012.





Wire pulls between the PCMs and transformers at 600, 700 and 800 were completed in February.



Grading of the perimeter storm drain trench began in February.



The multimedia filter skid was installed on the foundation on February 21, 2012.



The CO<sub>2</sub> tanks were installed at the fire suppression skids at CTG 600 and 700 in February.





The fourth bottom section of a chiller assembly is set in place. The units will have two top sections installed as well.



PG&E's crew welds the meter station sections together on site.



The fiber optic grounding wire was installed at the top of each transmission line pole.



Construction in the gas line corridor was completed and the area regarged with topsoil and hydro seeded the last week of February.





The base plates of the switchyard structure were grouted and protected with plastic. Final grade and rock were placed throughout half of the switchyard by the end of the month.



The status of construction at the south end of the plant as of February 28, 2012.



The status of construction at the center of the plant on February 28, 2012.



The status of construction at the north end of the plant on February 28, 2012.



**Exhibit 6**  
**Master Submittal Schedule and Transmittals for**  
**STRUC, MECH, TSE, and ELEC**

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## **Master Submittal Schedule**

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**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

Document: CBO-0001

Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
<b>GENERAL</b>											
		Index	CBO-001		Drawing and Specification Index (this document)		approval	Y	GEN-2a, 2b, TSE-1	Gen 2-1.0 approved 7/1/11	
		Resumes	G-P2001		Engineers of Record Resumes		issued	Y	GEN-4a, 5a	Approved	
			M_L3_Sched_110302		Project Schedule for Mariposa Energy Project (prelim L# baseline)		issued	Y	GEN	Approved	
					Supplier QA/QC plans for approved fabricator status	varies	Information	Y	BV sect 9	on going	
<b>LAYOUTS</b>											
	GA	Drawing			<b>Drawings</b>						
	GA	Drawing	G-PK001	1	General Arrangement Drawing Index	5/31/11	issued	Y	reference	R1 Approved 10/11/11	CBO-001/A3,4
	GA	Drawing	G-PP001	1	General Arrangement Site Plan	4/14/11	issued	Y	reference	R1 Approved 10/11/11	CBO-001/A3,4
	GA	Drawing	G-PE001	1	General Arrangement Equipment Location Plan	5/31/11	issued	Y	reference	R1 Approved 10/11/11	CBO-001/A3,4
	GA	Drawing	G-PE601	1	General Arrangement Unit 600 Power Block Area Plan	5/31/11	issued	Y	reference	R1 Approved 10/11/11	CBO-001/A3,4
	GA	Drawing	G-PE701	1	General Arrangement Unit 700 Power Block Area Plan	5/31/11	issued	Y	reference	R1 Approved 10/11/11	CBO-001/A3,4
	GA	Drawing	G-PE801	1	General Arrangement Unit 800 Power Block Area Plan	5/31/11	issued	Y	reference	R1 Approved 10/11/11	CBO-001/A3,4
	GA	Drawing	G-PE901	2	General Arrangement Unit 900 Power Block Area Plan	5/31/11	issued	Y	reference	R1 Approved 10/11/11; Rev 2 approved 11/22	CBO-001/A3,4
	GA	Drawing	G-PE002	2	General Arrangement Water Treatment Area Plan	5/31/11	issued	Y	reference	R1 Approved 10/11/11; Rev 2 approved 11/22	CBO-001/A3,4
	GA	Drawing	G-SS001	0	Gen. Arrangement Sections A-A & E-E Unit 600 (Looking N & S)	5/31/11	information	N	-	RO Approved 10/11/11	-
	GA	Drawing	G-SS002	0	General Arrangement Section B-B Overall Elevation View (Looking E)	5/31/11	information	N	-	RO Approved 10/11/11	-
	GA	Drawing	G-SS003	0	General Arrangement Sections C-C & F-F PDC, Chillers & Water Treatment (Looking N)	5/31/11	information	N	-	RO Approved 10/11/11	-
	GA	Drawing	G-SS004	0	General Arrangement Section D-D Overall Elevation View (Looking West)	5/31/11	information	N	-	RO Approved 10/11/11	-
	GA	Drawing	G-PC001	3	Construction Laydown & Parking Plan	5/31/11	issued	Y	BV request	R3 Approved 9/7/11	-
9/11	GA	Drawing	S-D5001	0	Construction Offices Site layout	-	issued	Y	BV request	R0 Approved 9/7/11	-
9/11	GA	Drawing	S-D5002	0	Construction Offices Accessibility Details	-	issued	Y	BV request	R0 Approved 9/7/011	-
	GA	Drawing	G-PC002	A	Transmission Line Routing Plan	-	information	N	-	R1 Approved 10/11/11	-
<b>CIVIL</b>											
	CI	Specification			<b>Construction Specifications</b>						
6/1	CI	Specification	022100	0	Surveying		Issued	N	-	-	-
	CI	Specification	310000	0	General Provisions--Site Work	5/10/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Specification	312000	2	Earthwork	5/10/11	Issued	Y	CIVIL-1	Approved 6/23	-
	CI	Specification	312333	1	Trench Excavation	5/10/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Specification	312500	Void	Erosion and Sediment Control - Deleted (see SWPPP)		VOID	N	-	-	-
	CI	Specification	321123	1	Aggregate Base	5/10/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Specification	321216	0	Asphaltic Concrete Pavement	5/10/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Specification	323113	0	Chain Link Fence and Gates	5/10/11	Issued	N	-	-	-
11/11	CI	Specification	323234	0	Mechanically Stabilized Earth (MSE) Slopes		Issued	Y	CIVIL-1a	rev 0 approved 12/1/11	-
	CI	Specification	334000	0	Storm Sewers and Drainage Structures	5/10/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Drawing			<b>DRAWINGS</b>						
	CI	Drawing	C-N0001	0	Project Information and General Notes	3/9/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Drawing	C-S0001	2	Overall Site Plan	4/22/11	Issued	Y	CIVIL-1a	R2 Approved 8/23	-
	CI	Drawing	C-G0001	2	Finish Grading & Drainage Plan sht 1	4/22/11	Issued	Y	CIVIL-1a	R2 Approved 8/23	-
	CI	Drawing	C-G0002	5	Finish Grading & Drainage Plan sht 2	4/22/11	Issued	Y	CIVIL-1a	R4 Approved 9/23; Rev 5 approved 11/30/11	-
	CI	Drawing	C-G0003	1	Finish Grading & Drainage Plan sht 3	4/22/11	Issued	Y	CIVIL-1a	R1 Approved	-
	CI	Drawing	C-G0004	1	Finish Grading & Drainage Plan sht 4	4/22/11	Issued	Y	CIVIL-1a	R1 Approved	-
	CI	Drawing	C-G0005	2	Finish Grading & Drainage Plan sht 5	4/22/11	Issued	Y	CIVIL-1a	R2 Approved 8/23	-
	CI	Drawing	C-G0006	3	Finish Grading & Drainage Plan sht 6	4/22/11	Issued	Y	CIVIL-1a	R3 Approved 8/23	-
	CI	Drawing	C-G0010	0	Finish Grading & Drainage Sections & Details sheet 1	4/22/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Drawing	C-G0011	1	Finish Grading & Drainage Sections & Details sheet 2	4/22/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Drawing	C-G0012	1	Grading & Drainage Sections & Details	4/22/11	Issued	Y	CIVIL-1a	R1 Approved 8/23	-
8/11	CI	Drawing	C-G0013	0	Outlet Structure Details	4/22/11	Issued	Y	CIVIL-1a	R0 Approved 8/26/11	-
11/11	CI	Drawing	C-G0014	0	Grading & Drainage Sections & Details		Issued	Y	CIVIL-1a	rev 0 approved 12/1/11	-
	CI	Drawing	C-HC001	1	Plant Loop Road Horizontal Control	4/22/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Drawing	C-SF001	1	Surfacing Plan	4/22/11	Issued	Y	CIVIL-1a	Approved	-
	CI	Drawing	C-PR001	0	Road Profiles sht 1	4/22/11	Issued	N	-	Approved	-
	CI	Drawing	C-PR002	1	Road Profiles sht 2	4/22/11	Issued	N	-	R1 Approved 8/23	-
	CI	Drawing	C-PR003	1	Storm Sewer Profiles sht 1	5/24/11	approval	Y	CIVIL-1a	R1 Approved 8/23	-
	CI	Drawing	C-ST001	2	Overall Storm Drain Plan	5/24/11	approval	Y	CIVIL-1a	R2 Approved 8/23	-
	CI	Drawing	C-W0020	2	Plant Access road Plan & Profile sheet 1	4/22/11	Issued	Y	Trans-4a	Rev 1 Reference Only; Rev 2 approved 3/1/12	-

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

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Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	CI	Drawing	C-W0021	3	Plant Access road Plan & Profile sheet 2	4/22/11	Issued	Y	Trans-4a	R0 Reference Only. Rev 3 Approved 8/22	
5/31	CI	Drawing	C-W0022	A	Kelso Construction Access Encroachment	--	Issued	Y	-	-	
5/31	CI	Drawing	C-D0001	2	Site Security Fence and Gate Details	5/10/11	Issued	N	-	-	-
5/31	CI	Drawing	C-D0002	2	Site Substation Fence and Gate Details	5/10/11	Issued	N	-	-	-
5/31	CI	Drawing	C-D0003	1	Site Security Fence Slide Gate Detail	5/10/11	Issued	N	-	-	-
5/31	CI	Drawing	C-FN001	3	Site Fencing Plan	5/10/11	Issued	N	-	-	-
	CI	Study/Calc			<b>Calculations</b>		-	-	-	-	-
5/11	CI	Study/Calc	CE-01	1	Hydrology Calculations	7/26/11	Issued	Y	CIVIL-1a	R0 Approved 5/10/11; R1 Approved 9/28	
8/11	CI	Study/Calc	CE-03	0	Outlet Structure Calculations	7/26/11	Issued	Y	CIVIL-1a	Rev 0 Approved 8/26/11	
	CI	Study/Calc	deleted		Cut & Fill	7/26/11	information	Y	CIVIL-1a	-	-
<b>ST STRUCTURAL</b>											
	ST	Specification			<b>Engineering Specifications</b>	-	-	-	-	-	CBO-001/A E1
	ST	Specification	013610		Civil, Structural, Architectural, and Site Requirements	4/7/11	information	N	-	-	
	ST	Specification	014523	1	Sampling Testing and Inspection of Concrete and Earthwork	4/7/11	Issued	Y	Struc-1a,b,c	Approved	
	ST	Specification	033000	3	Cast-in-Place Concrete	4/7/11	Issued	Y	Struc-1a,b,c	Approved; R3 approved 12/8/11	
	ST	Specification	036000	0	Structural & Equipment Grouting	4/7/11	Issued	Y	Struc-1a,b,c	Approved	
	ST	Specification	051000	0	Erection of Structural & Miscellaneous Steel	4/11/11	Issued	Y	Struc-1a,b,c	Rev 0 approved 9/20/11	
	ST	Specification	051200	0	Supply & Fabrication of Structural & Misc Steel	4/11/11	information	Y	Struc-1a,b,c	Rev 0 approved 9/20/11	
	ST	Specification	099001	1	Protective Coatings	4/11/11	Issued	Y	Struc-1a,b,c	Rev 0 & Rev 1 Reference only	
	ST	Specification	133419	1	Pre-Engineered Building (collaboration w/ Architectural)	2/23/11	Issued	Y	Struc-1a,b,c	Rev 1 approved	
	ST	Drawing			<b>General Drawings</b>	-	-	-	-	-	-
	ST	Drawing	S-S0001	0	Structural Cover Sheet	4/19/11	Issued	Y	Struc-1a,b,c	R0 Approved Struc-1-1.0 4/18 R0 Approved Struc 1-1.0; R1 Approved 9/28; R2 Approved 10/14/11	
	ST	Drawing	S-S0002	2	Concrete Notes and Standard Details Sheet 1	4/19/11	Issued	Y	Struc-1a,b,c	R0 Approved Struc 1-1.0 4/18; R1 Approved 9/28	
	ST	Drawing	S-S0003	1	Concrete Standard Details Sheet 2	4/19/11	Issued	Y	Struc-1a,b,c	Approved 9/28	
	ST	Drawing	S-S0004	0	Concrete Standard Details Sheet 3	4/19/11	Issued	Y	Struc-1a,b,c	Approved	
	ST	Drawing	S-S0005	0	Structural Steel Notes and Standard Details Sheet 1	4/19/11	Issued	Y	Struc-1a,b,c	Approved 7/19	F
	ST	Drawing	S-S0006	0	Structural Steel Typical Details Sheet 2	4/19/11	Issued	Y	Struc-1a,b,c	Approved 7/19	
	ST	Drawing	S-S0007	1	Structural Steel Typical Details Sheet 3	4/19/11	Issued	Y	Struc-1a,b,c	Approved 7/19	
	ST	Drawing	S-S0008	2	Structural Engineer's Statement of Special Inspection Program	4/19/11	Issued	Y	Struc-1a,b,c	Approved	
	ST	Drawing			<b>Concrete Drawings</b>	-	-	-	-	-	-
	ST	Drawing	S-C1001	1	Foundation Location Plan	6/14/11	Issued	Y	Struc-1a,b,c	R1 approved 8/4/11	
5/31	ST	Drawing	S-C1002	Deleted	Warehouse Building Foundation Plan (may incl w/ bldg sub)	8/5/11	information	Y	Struc-1a,b,c	-	
5/31	ST	Drawing	S-C1003	Deleted	Warehouse Building Foundation Sections (may incl w/ bldg sub)	8/5/11	information	Y	Struc-1a,b,c	-	
5/31	ST	Drawing	S-C1004	Deleted	Control/Admin Building Foundation Plan (may incl w/ bldg sub)	8/5/11	information	Y	Struc-1a,b,c	-	
5/31	ST	Drawing	S-C1005	Deleted	Control/Admin Building Foundation Sections (may incl w/ bldg sub)	8/5/11	information	Y	Struc-1a,b,c	-	
5/31	ST	Drawing	S-C1006	Deleted	Air Compressor Shed Foundation Plan & Sections	8/5/11	information	Y	Struc-1a,b,c	-	
	ST	Drawing	S-C1007	1	CTG Foundation Plan - Sections and Details	6/17/11	Issued	Y	Struc-1a,b,c	Approved 7/7	
	ST	Drawing	S-C1008	1	CTG Foundation Plans - Grouting Plan	6/17/11	Issued	Y	Struc-1a,b,c	Approved 7/7	
	ST	Drawing	S-C1009	2	CTG Auxiliary Skid, FP Skid. & Sprint Skid. Fdn Plans & Sections	6/17/11	Issued	Y	Struc-1a,b,c	R1 Approved 7/7; R2 Approved 9/28	
	ST	Drawing	S-C1010	0	CTG Anchor Bolt & Grout Pocket Details	6/17/11	Issued	Y	Struc-1a,b,c	Approved	
	ST	Drawing	S-C1011	2	CTG Transformer Fdn. Plans, Sections & Details	6/17/11	Issued	Y	STRUC-1	Approved 8/17/11	
	ST	Drawing	S-C1012	2	CTG Power Control Module Fdn. Plan, Sections & Details	6/17/11	Issued	Y	Struc-1a,b,c	R2 Approved 9/21	
	ST	Drawing	S-C1013	2	CTG LO Cooler Foundation Plan & Sections	6/17/11	information	Y	Struc-1a,b,c	R2 Approval 9/19/11	
	ST	Drawing	S-C1014	2	ECM Foundation Plan and Sections	6/22/11	Issued	Y	STRUC-1	Conditional approval 6/22. Rev 2 Approved 9/26	
	ST	Drawing	S-C1015	2	Ammonia Skid/CEMS Shelter Foundation Plans & Sections	5/23/11	information	Y	Struc-1a,b,c, Haz-4	Rev 0 comments, Rev 1 comments 9/21; R2 conditional approval 9/28 Struc-, Haz-4 & Struc-4-2 approval 12/6/11	
	ST	Drawing	S-C1016	4	BOP Power Distribution Center/Aux Transformer Foundations	9/21/11	Issued	Y	Struc-1a,b,c	Approved 8/17/11 rev 4 approved 11/28/11	
	ST	Drawing	S-C1017	1	Fuel Gas Compressor Foundations	7/27/11	Issued	Y	Struc-1a,b,c	R0 Approval 8/31/11; Rev 1 approved 12/5/11	
11/11	ST	Drawing	S-C1018	0	Fuel Gas Dew Point Heater and Anti-icing Heater Foundation		Issued	Y	Struc-1a,b,c	rev 0 Approved 11/28/11	
11/11	ST	Drawing	S-C1019	0	Anti-icing Heater Transformer Foundation		Issued	Y	Struc-1a,b,c	rev 0 Approved 11/28/11	
11/11	ST	Drawing	S-C1019	deleted	Gas Metering Station Foundations	10/7/11	information	Y	Struc-1a,b,c	N/A	

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	ST	Drawing	S-C1020	2	Chiller Package Foundations, Plan, Sections & Details	8/8/11	Issued	Y	Struc-1a,b,c	R0 Conditional Approval 8/22; Rev 1 Approved 11/9/11; Rev 2 approved 12/12/11	
	ST	Drawing	S-C1021	1	Aqueous Ammonia System Foundations	5/20/11	information	Y	Struc-1a,b,c	R0 Conditional approval 8/30/11, Rev 1 approved 11/7/11. HAZ-4 & Struc-4-2 approval 12/6/11	10.1.2 approved which should release this
	ST	Drawing	S-C1022	1	GSU Transformer Foundation Plan & Details	7/7/11	Issued	Y	STRUC-1	R1 Approved 9/6/11	
	ST	Drawing	S-C1023	1	GSU Transformer Foundation Sections & Details	7/7/11	Issued	Y	STRUC-1	R1 Approved 9/6/11	
	ST	Drawing	S-C1024	1	Fuel Gas Filter/Drains Tank Foundations Plan & Details	6/21/11	Issued	Y	Struc-1a,b,c	R0 Approval 8/31/11; Rev 1 approval 11/10/11	
	ST	Drawing	S-C1025	1	Oil/Water Separator Foundation Plans & Sections	5/26/11	Issued	Y	Struc-1a,b,c	R0 Approval 8/25/11; Rev 1 Approved 10/6	
	ST	Drawing	S-C1026	0	Service/Waste/Demin Water Pump Foundation Plans & Sections	7/12/11	information	Y	Struc-1a,b,c	Rev 0 approved 11/16/11	
	ST	Drawing	S-C1027	1	Fire Protection Water Pump Foundation Plans & Sections	5/19/11	Issued	Y	Struc-1a,b,c	R1 Approved 8/23/11	
	ST	Drawing	S-C1028	1	Raw Water Tank Foundation Plans & Sections	8/2/11	Issued	Y	Struc-1a,b,c	Conditional approval 8/30/11; rev 1 Approval 11/7/11	
10/11	ST	Drawing	S-C1029	1	Multimedia Filter Skid Foundation	8/9/11	Issued	Y	Struc-1a,b,c	Rev 0 approved 11/16/11	
10/11	ST	Drawing	S-C1030	1	PDC Foundation Plan, Section and Details	6/16/11	information	Y	Struc-1a,b,c	Rev 1 approved 11/3/11	
	ST	Drawing	S-C1031	2	Miscellaneous Pipe Support Foundations - Plans & Sections	6/16/11	Issued	Y	Struc-1a,b,c	Rev 2 approved 1/7/12	
11/11	ST	Drawing	S-C1032	3	Miscellaneous Pipe Support Foundations - Plans & Sections		Issued	Y	Struc-1a,b,c	Rev 3 approved 1/7/12	
11/11	ST	Drawing	S-C1033	1	Fuel Gas Letdown Station & CTG Engine Removal Foundation		Issued	Y	Struc-1a,b,c	rev 0 approved 11/29/11; Rev 1 Approved 1/26/12	
11/11	ST	Drawing	S-C1034	2	MCC & CTG Engine Rotor Removal Foundation		Issued	Y	Struc-1a,b,c	rev 0 approved 12/15/11; rev 2 approved 1/23/12	
2/12	ST	Drawing	S-C1035	0	Tank and Pump Housekeeping Pad		Issued	Y	Struc-1a,b,c	R1 comments 3/2/12; R0 comments 2/10/12	
	ST	Drawing			<b>Steel Drawings</b>				<b>CBO-001/A E1</b>	--	CBO-001/A E1
	ST	Drawing	S-S1001	3	CTG Access Platforms Plans Sections & Details	11/15/11	Issued	Y	Struc-1a,b,c	R2 Approved 9/20/11; R3 Approved 1/30/12	
8/11	ST	Drawing	S-S1002	deleted	Chiller Package Access Platforms Plans Sections & Details	<del>11/15/11</del>	information	Y	Struc-1a,b,c	--	
	ST	Drawing	S-S1003	1	GSU Transformer Access Platforms Plans Sections & Details	11/15/11	Issued	Y	Struc-1a,b,c	Rev 0 Approved 9/29/11; Rev 1 approved 2/2/12	
	ST	Drawing	S-S1004	1	Aux Transformer Access Platforms Plans Sections & Details	11/15/11	Issued	Y	Struc-1a,b,c	Rev 0 Approved 9/29/11; Rev 1 approved 2/2/12	
10/19	ST	Drawing	S-S1005	0	PDC Access Platforms Plans Sections & Details	11/15/11	Issued	Y	Struc-1a,b,c	Rev 0 Approved 9/29/11	
	ST	Drawing	S-S1006	0	PDC Access Platforms Plans and Sections	11/15/11	information	Y	Struc-1a,b,c	Rev 0 Approved 11/7/11	
	ST	Drawing	S-S1007	0	Misc Tee Supports- Non-Seg. Bus Duct -Plans, Sections	11/15/11	information	Y	Struc-1a,b,c	Rev 0 Approved 12/22/11	
12/11	ST	Drawing	S-S1008	0	Misc Tee Supports- Elevations, Sections, Details sht 1	--	Issued	Y	Struc-1a,b,c	Rev 0 Approved 12/22/11	
12/11	ST	Drawing	S-S1009	0	Misc Tee Supports- Elevations, Sections, Details sht 2	--	Issued	Y	Struc-1a,b,c	Rev 0 Approved 12/22/11	
12/11	ST	Drawing	S-S1010	0	Misc Tee Supports- Elevations, Sections, Details sht 3	--	Issued	Y	Struc-1a,b,c	Rev 0 Approved 12/22/11	
12/11	ST	Drawing	S-S1011	0	Misc Tee Supports- Elevations, Sections, Details sht 4	--	Issued	Y	Struc-1a,b,c	Rev 0 Approved 12/22/11	
12/11	ST	Drawing	S-S1012	1	GSU Transformer to CTG Bus Supports Elev, Sect, Details	--	Issued	Y	Struc-1a,b,c	Rev 0 approved 12/22/11; rev 1 Approved 12/28/11	
12/11	ST	Drawing	S-S1013	1	SST Transformer Bus Supports Elev, Sect, Details	--	Issued	Y	Struc-1a,b,c	Rev 0 approved 12/22/11; rev 1 Approved 12/28/11	
12/11	ST	Drawing	S-S1014	1	Aux Transformer Bus Supports Elev, Sect, Details	--	Issued	Y	Struc-1a,b,c	Rev 0 approved 12/22/11; rev 1 Approved 12/28/11	
2/12	ST	Drawing	S-S1015	0	Misc Supports	--	Issued	Y	Struc-1a,b,c	rev 0 approved 2/17/12	
	ST	Calc/Study			<b>Calculations</b>	--	Issued	Y		--	
5/11	ST	Calc/Study	SC-01 pending	n/a	Warehouse Foundation (if not by sub); by Subcontractor	8/5/11	information	Y	Struc-1a,b,c	--	
5/11	ST	Calc/Study	SC-02 pending	n/a	Admin Building Foundation (if not by sub); by Subcontractor	8/5/11	information	Y	Struc-1a,b,c	--	
10/11	ST	Calc/Study	SC-03	n/a	Air Compressor Shed Foundation	8/5/11	information	Y	Struc-1a,b,c	--	
	ST	Calc/Study	SC-04	2	CTG Foundation & Misc. Skids	6/17/11	Issued	Y	Struc-1a,b,c	--	
	ST	Calc/Study	SC-05	1	ECM Foundation & Misc. Skids	6/22/11	Issued	Y	STRUC-1	R2 Approved 9/28	
	ST	Calc/Study	SC-06	3	Fire Water Pump Foundations	9/6/11	information	Y	Struc-1a,b,c	Conditional approval 6/22; R1 Approved 9/26	
	ST	Calc/Study	SC-07	0	Ammonia Skid / CEMS Shelter Foundations	5/23/11	information	Y	Struc-1a,b,c	R3 Approved 8/23/11	
	ST	Calc/Study	SC-08	2	CTG LO Cooler Foundation	6/17/11	Issued	Y	Struc-1a,b,c	R1 conditional approval 9/28, R2 pending 9/27	
	ST	Calc/Study	SC-09	1	Fuel Gas Compressor Foundations	7/27/11	Issued	Y	Struc-1a,b,c	R2 Approval 9/19/11	
10/11	ST	Calc/Study	SC-10	n/a	Fuel Gas Compressor Cooler & Misc. Foundations	<del>7/27/11</del>	information	Y	Struc-1a,b,c	R0 Approval 8/31/11; Rev 1 approved 12/5/11	
	ST	Calc/Study	SC-11	1	Chiller Package Foundations	8/8/11	issued	Y	Struc-1a,b,c	--	
10/11	ST	Calc/Study	SC-12	n/a	Water Wash Drains Sump & Skid	<del>6/17/11</del>	information	Y	Struc-1a,b,c	R0 Conditional Approval 8/22; Rev 1 Approved 11/9/11	

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Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	ST	Calc/Study	SC-13	1	Misc Transformer Foundations	9/21/11	Issued	Y	Struc-1a,b,c	Approved 8/17/11	
	ST	Calc/Study	SC-14	1	Main GSU Transformer Foundation	7/7/11	information	Y	Struc-1a,b,c	R1 Approved 9/6/11	
	ST	Calc/Study	SC-15	0	PDC Foundation	6/17/11	Issued	Y	Struc-1a,b,c	Rev 0 approved 11/3/11	
	ST	Calc/Study	SC-16	0	Tank Foundations	8/2/11	information	Y	Struc-1a,b,c	Conditional approval 8/30/11. rev 0	
10/11	ST	Calc/Study	SC-17	n/a	<del>Generator Circuit Breaker Foundation</del> see Jensen Vault	<del>9/24/11</del>	information	Y	Struc-1a,b,c	Approved 11/7/11	
	ST	Calc/Study	SC-18	0	Aqueous Ammonia System Foundations	5/20/11	information	Y	Struc-1a,b,c	N/A	
	ST	Calc/Study	SC-19	0	Oil/Water Separator Foundation Plans & Sections	5/26/11	Issued	Y	Struc-1a,b,c	Conditional approval 8/30/11. rev 0	
11/11	ST	Calc/Study	SC-20	Deleted	<del>Miscellaneous Pipe Support Foundations</del> See SC-25, SC-26	<del>6/16/11</del>	information	Y	Struc-1a,b,c	Approved 11/7/11	
5/11	ST	Calc/Study	SC-21	2	CTG PCM (power control module)	6/17/11	information	Y	Struc-1a,b,c	R0 Approval 8/25/11	
11/11	ST	Calc/Study	SC-22	1	Anti-icing heater transf, Anti-icing Heater, Fuel Gas htr foundations	--	Issued	Y	Struc-1a,b,c	N/A	
10/11	ST	Calc/Study	SC-23	0	Multimedia Filter and Water Pump Foundations Calculation	--	information	Y	Struc-1a,b,c	R2 Approved 9/21	
11/11	ST	Calc/Study	SC-24	0	Fuel Gas Letdown Station Foundation Calculation	--	Issued	Y	Struc-1a,b,c	rev 0 Approved 11/28/11	
11/11	ST	Calc/Study	SC-25	1	Pipe Support Foundations calculation	--	Issued	Y	Struc-1a,b,c	Approved 11/28/11	
11/11	ST	Calc/Study	SC-26	1	Miscellaneous Pipe Support Foundations calculation	--	Issued	Y	Struc-1a,b,c	R0 Approval 11/16/11	
11/11	ST	Calc/Study	SC-27	0	CIP Anchor Qualification	--	Issued	Y	Struc-1a,b,c	rev 0 approved 11/29/11	
11/11	ST	Calc/Study	SC-28	0	MCC Foundation	--	Issued	Y	Struc-1a,b,c	rev 1 approved 1/17/12	
1/12	ST	Calc/Study	SC-30	0	Misc Housekeeping Pads	--	Issued	Y	Struc-1a,b,c	rev 1 approved 1/17/12	
2/12	ST	Calc/Study	SC-31	0			Issued	Y	Struc-1a,b,c	rev 0 approved 12/15/11 & 1/123/12	
	ST	Calc/Study	SS-01	2	CTG Access Platforms (or by sub)	11/15/11	Issued	Y	Struc-1a,b,c	R1 comments 3/2/12; R0 comments 2/11/12	
	ST	Calc/Study	SS-02	1	Misc Pipe Support	11/15/11	information	Y	Struc-1a,b,c	TES-4-11, TSE-1-8 approved 2/14	
	ST	Calc/Study	SS-03	0	Bus duct support	11/15/11	information	Y	Struc-1a,b,c	R2 Approved 9/20/11	
1/12	ST	Calc/Study	SS-04	0	Standard Pipe Supports	--	Issued	Y	Struc-1a,b,c	R0 Approval 12/22/11; Rev 1 approved 2/17/12	
12/11	ST	Calc/Study	SS-04	Deleted	<del>General Tee Supports for Pipe, Cable Tray and Bus</del>	<del>11/15/11</del>	information	Y	Struc-1a,b,c	R0 Approval 12/22/11	
<b>MECHANICAL / PROCESS</b>											
	ME	Specification			<b>Construction/Subcontract Specifications</b>	-	-	-	-	-	-
9/11	ME	Specification	deleted		Centerline Erection Spec	7/18/11	Information	N	-	N/A	-
	ME	Specification	017320	0	BOP Mechanical Installation	7/18/11	Issued	N	-	N/A	-
	ME	Specification	230000	1	Building HVAC	7/18/11	Issued	Y	Mech3	Approved	CBO-001/A M2
	ME	Specification	220000	2	Building Plumbing	7/18/11	Issued	Y	Mech-1	Approved	CBO-001/A M3
5/11	ME	Specification	211000	1	Fire Protection Subcontract (above ground & integration)	5/19/11	Information	Y	Fire-1-3.0	Approved. Rev 1 approved 12/1/11	
9/11	ME	Specification	deleted		<del>Construction Subcontract Package</del>	<del>7/18/11</del>	Information	N	N	N/A	-
	ME	Specification			Insulation Subcontract		Information	N	N	N/A	-
	ME	Specification			Chemical Cleaning Subcontract	6/15/11	Information	N	N	N/A	-
	ME	Specification			Performance Testing (subcontract)	6/15/11	Information	N	N	N/A	-
	ME	Specification			<b>Equipment Specifications</b>	-	-	-	-	-	-
	ME	Specification	013600	1	General Design Requirements	2/14/11	Issued	N	N	N/A	-
	ME	Specification	013300	0	Submittals Requirements	2/14/11	Issued	N	N	N/A	-
	ME	Specification	016500	1	Product Shipment, Delivery, Receiving & Storage	2/14/11	Issued	N	N	N/A	-
9/11	ME	Specification	deleted		<del>Miscellaneous Pumps</del>	<del>3/30/11</del>	Approval	N	N	N/A	-
	ME	Specification	213000	1	Fire Pump Skid	2/4/11	Issued	N	N	N/A	-
	ME	Specification	221500	3	Air Compressor Package	3/22/11	Issued	N	N	N/A	-
	ME	Specification	236400	3	Air Cooled Chiller	1/14/11	Issued	N	N	N/A	-
	ME	Specification	421213	1	Fuel Gas Heater	2/22/11	Issued	N	N	N/A	-
	ME	Specification	432113.20	0	Horizontal Pumps	3/30/11	Issued	N	N	N/A	-
	ME	Specification	432143.30	1	Sump Pumps	4/20/11	Issued	N	N	N/A	-
	ME	Specification	431213	1	Fuel Gas Compressors	1/10/11	Issued	N	N	N/A	-
	ME	Specification	434001	0	Polyethylene Storage Tanks	3/31/11	Issued	N	N	N/A	-
	ME	Specification	434116.13	1	Underground Tanks - FRP	3/31/11	Issued	N	N	N/A	-
	ME	Specification	441100	3	Ammonia Storage & Transfer	3/29/11	Issued	Rev 2 Approval / Ref	Struc-4a / Haz-4	R3 Approved 8/9	rev 0 approved
	ME	Specification	433269 DS	A	Chemical Feed System	3/31/11	Issued	N	N	N/A	-
	ME	Specification	444253	0	Oil Water Separator	3/22/11	Issued	N	N	N/A	-
9/11	ME	Specification	deleted		<del>Misc. Gas Treatment</del>	<del>2/22/11</del>	Approval	N	N	N/A	-
	ME	Specification	441110	1	Emissions Control Module (ECM: stack, SCR, CO, attempt fans)	1/13/11	Issued	N	N	N/A	-
	ME	Specification	460713	2	Potable Water System	-	Issued	Y	Mech3	Approved	CBO-001/A M3
	ME	Specification	466100	1	Filtered Water System		Issued	N	N	N/A	-

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

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9/11	ME	Specification	deleted		Pressure Vessels	-	Approval	N	N	N/A	-
5/11	ME	Specification	n/a	n/a	Sumps Deleted - See M-T0004, M-T0005 drawings	7/13/11	Approval	N	N	N/A	-
	ME	Drawing			P&ID's	-	-	-	-	-	-
	ME	Drawing	M-SYM01	2	Symbols & Nomenclature sht 1	6/29/11	Issued	Y	orig list; MEC-1	R1 Approved 8/29/11- Reference Only. R2 Ref Only 10/13/11	
	ME	Drawing	M-SYM02	1	Symbols & Nomenclature sht 2	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-AMM01	3	Aqueous Ammonia Storage and Transfer	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Ref Only 10/13/11	
	ME	Drawing	M-CHW01	3	Chilled Water System	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CM01	3	Compressed Air System Service Air sht 1	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CM02	1	Compressed Air System Instrument Air sht 2	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG61	3	CTG and Auxiliaries, Unit 600	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 pending 9/30	
	ME	Drawing	M-CTG71	3	CTG and Auxiliaries, Unit 700	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CTG81	3	CTG and Auxiliaries, Unit 800	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CTG91	3	CTG and Auxiliaries, Unit 900	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CTG62	3	CTG Inlet Plenum, Unit 600	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CTG72	3	CTG Inlet Plenum, Unit 700	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CTG82	3	CTG Inlet Plenum, Unit 800	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CTG92	3	CTG Inlet Plenum, Unit 900	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-CTG63	2	CTG Vents and Drains, Unit 600	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG73	2	CTG Vents and Drains, Unit 700	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG83	2	CTG Vents and Drains, Unit 800	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG93	2	CTG Vents and Drains, Unit 900	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG64	2	CTG/Exhaust/CEMS System, Unit 600	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG74	2	CTG/Exhaust/CEMS System, Unit 700	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG84	2	CTG/Exhaust/CEMS System, Unit 800	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-CTG94	2	CTG/Exhaust/CEMS System, Unit 900	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-DOW01	3	Oily Water Drain System Sht 1	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 pending 9/30	
	ME	Drawing	M-DOW02	2	Oily Water Drain System Sht 2	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-DOW03	3	Oily Water Drain System Sht 3	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-DW01	2	Demineralized Water System	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-FG01	3	Fuel Gas System Sht 1	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-FG02	3	Fuel Gas System sht 2	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
7/11	ME	Drawing	M-FG03	3	Fuel Gas System sht 3	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
7/11	ME	Drawing	M-FG04	3	Fuel Gas System sht 4	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-FP01	2	Fire Protection	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	



**Mariposa Project 415059**  
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	ME	Drawing	M-PW01	3	Potable Water System sht 1	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-PW02	2	Potable Water System sht 2	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-SW01	3	Service Water System	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
	ME	Drawing	M-SWW01	1	Sanitary Waste Water System	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only	
	ME	Drawing	M-WW01	3	Waste Water System sht 1	6/29/11	Issued	Y	orig list; MEC-1	R2 Approved 8/29/11- Reference Only. R3 Reference 10/13/11	
7/11	ME	Drawing	M-WW01	0	Waste Water System sht 2	-	-	-	-	-	-
	ME	Other			<b>Other Mech Documents</b>	-	-	-	-	-	-
	ME	Criteria	FP1-1	1	Fire Risk Evaluation	4/14/11	Issued	Y	Fire-1	Approved	-
	ME	List	M-EL-01	3	Equipment List	5/19/11	Issued	N	-	-	-
	ME	Calc/Study	ME-MEP-008	A	Compressed Air Requirements		Issued	N	-	-	-
	ME	Criteria	ME-MEP-009	A	Fire Protection Fire Water Pump Sizing	4/14/11	Issued	Y	Fire-1	Approved	-
9/11	ME	Narrative	SDD's	mult	System Design Description (narratives; 9 docs)	-	Issued	N	-	-	-
	ME	Drawing	M-T0001	1	Demineralized Water Storage Tank	2/21/11	Issued	N	-	-	-
	ME	Drawing	M-T0002	1	Raw Water / Fire Water Storage Tank	2/21/11	Issued	N	-	-	-
	ME	Drawing	M-T0003	1	Waste Water Storage Tank	2/21/11	Issued	N	-	-	-
5/11	ME	Drawing	M-T0004	0	Oily Water Sump Detail	-	Issued	N	-	-	-
5/11	ME	Drawing	M-T0005	0	Waste Water Sump Detail	-	Issued	N	-	-	-
	ME	Drawing	M-WB01	1	Water Balance- Peak	3/31/11	Issued	N	-	-	-
	ME	Drawing	M-WB02	1	Water Balance- Design	3/31/11	Issued	N	-	-	-
<b>ARCHITECTURAL</b>											
	AR	Specification			<b>Construction/Subcontract Specs</b>	-	-	-	-	-	-
6/11	AR	Specification	62000	1	Finish Carpentry	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
7/11	AR	Specification	72100	4	Building Insulation	2/23/11	Deleted			-	-
6/11	AR	Specification	79000	1	Joint Sealants	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	81100	1	Steel Doors and Frames	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
7/11	AR	Specification	81400	4	Wood Doors	2/23/11	Deleted			-	5/17 lettr on index
6/11	AR	Specification	87000	1	Door Hardware	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	88000	1	Glazing	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	92116	1	Gypsum Board	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	92216	1	Non-Load Bearing Steel Framing	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
7/11	AR	Specification	93013	4	Ceramic Tile	2/23/11	Deleted			-	5/17 lettr on index
6/11	AR	Specification	95123	1	Acoustical Tile Ceilings	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	96500	1	Resilient Tile Flooring and Base	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	99010	1	Painting	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	101400	1	Signage	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
6/11	AR	Specification	102800	1	Toilet and Bath Accessories	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
	AR	Specification	133400	2	Pre-Engineered Bldgs Basis of Design	2/23/11	Issued	Y	Struc-1a,b,c	Approved	CBO-001/A S2
	AR	Specification	133419	1	Pre-Engineered Bldgs (collaborate w/Struct)	2/23/11	Issued	Y	Struc-1a,b,c	Approved	CBO-001/A S2
	AR	Drawing			<b>Drawings</b>	-	-	-	-	-	-
	AR	Drawing			<b>General Drawings / Standards - All Buildings</b>	2/23/11	--	--	-	-	-
	AR	Drawing	A-S4001	1	Finish Schedule & Legend	2/23/11	Issued	Y; Ref Only	Reference per CBO comment	Reference Only 8/15/11 ; GEN-2-1.1	5/17 lettr on index
	AR	Drawing	A-S4002	1	Door Schedules	2/23/11	Issued	N-see vendor	-	-	-
	AR	Drawing			<b>Control Building</b>	2/23/11	--	--	-	-	-
	AR	Drawing	A-P1001	1	Overall Floor Plan	2/23/11	Issued	N-see vendor	-	-	-
	AR	Drawing	A-E1002	1	Exterior Elevations	2/23/11	Issued	N-see vendor	-	-	-



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	AR	Drawing			<b>Warehouse</b>	2/23/11	--	--	-	-	-
	AR	Drawing	A-P2001	2	Overall Floor Plan	2/23/11	Issued	N-see vendor	-	-	-
	AR	Drawing	A-E2002	2	Exterior Elevations	2/23/11	Issued	N-see vendor	-	-	-
	AR	Drawing			<b>Canopies (one required)</b>	2/23/11	--	--	-	-	-
	AR	Drawing	A-P3001	1	Air Compressor Shed Floor Plan, Elevation	2/23/11	Issued	N-see vendor	-	-	-
<b>IC INSTRUMENTS &amp; CONTROLS</b>											
	IC	Specification			<b>Construction Specifications</b>	-	-	-	-	-	-
	IC	Specification	409010	0	BPO Instrument Installation and Testing	-	Issued	N	-	N/A	-
	IC	Specification	409040	1	I&C for Mechanical Packages	2/14/11	Approval	N	-	N/A	-
	IC	Specification	N		<b>Instrument Specifications &amp; Data Sheets</b>	-	-	-	-	-	-
	IC	Specification	409113.23.92	1	CEMS - Continuous Emissions Mon. System	2/9/11	Information	N	-	N/A	-
	IC	Specification	409423.40	A	Control System Consoles		Approval	N	-	N/A	-
	IC	Specification	409423	1	Distributed Control System (DCS)	3/25/11	Issued	N	-	N/A	-
	IC	Datasheet	409119.29.10	A	Pressure Indicators	9/5/11	Issued	N	-	N/A	-
	IC	Datasheet	409119.29.40	A	Pressure Transmitter (Gauge/Absolute/Differential)	9/5/11	Issued	N	-	N/A	-
	IC	Datasheet	409213.29.22	B	Pressure Regulator (Self Contained)	9/5/11	Issued	N	-	N/A	-
11/11	IC	Specification	409213.23.10	deleted	Pressure Relief Valves	9/5/11		N	-	N/A	-
	IC	Datasheet	409119.36.10	A	Temperature Gage & Thermowell	9/5/11	Issued	N	-	N/A	-
	IC	Datasheet	409119.36.72	A	Thermocouple & Thermowell	9/5/11	Issued	N	-	N/A	-
11/11	IC	Specification	409119.36.74	deleted	RTD	9/5/11		N	-	N/A	-
11/11	IC	Specification	409119.36.50	deleted	Thermowell	9/5/11		N	-	N/A	-
11/11	IC	Specification	409119.36.40	deleted	Temperature Transmitter, Element, & Thermowell	9/5/11		N	-	N/A	-
11/11	IC	Specification	409123.36.10	deleted	Level Gage / Indicator	9/5/11		N	-	N/A	-
11/11	IC	Datasheet	409123.36.34	A	Level Switch (Vibrating)		Issued	N	-	-	-
	IC	Datasheet	409123.36.42	A	Level Transmitter (Differential Pressure)	9/5/11	Issued	N	-	N/A	-
11/11	IC	Datasheet	409123.36.44	B	Level Transmitter (Guided Wave Radar)		Issued	N	-	-	-
11/11	IC	Specification	409123.36.36	deleted	Level Switch - Float	9/5/11		N	-	N/A	-
11/11	IC	Datasheet	409123.33.11	A	DP Flow Indicator		Information	N	-	-	-
	IC	Datasheet	409123.33.74	A	Flow Element (Orifice)	9/5/11	Issued	N	-	N/A	-
	IC	Datasheet	409123.33.85	A	Flowmeter (Turbine)		Issued	N	-	-	-
	IC	Datasheet	409123.33.89	A	Flow Transmitter (Differential Pressure)	9/5/11	Issued	N	-	N/A	-
11/11	IC	Specification	409123.33.83	deleted	MAG Flow Meter - Vortex	9/5/11		N	-	N/A	-
11/11	IC	Specification	409123.33.87	deleted	Flow Meter - Variable Area	9/5/11		N	-	N/A	-
11/11	IC	Specification	409123.33.88	deleted	Fuel Gas Flow Revenue Check Meter (ultrasonic)	9/5/11		N	-	N/A	-
	IC	Specification	N		<b>Control Valves</b>	-	-	-	-	-	-
	IC	Datasheet	409213.13.30	B	Modulating Control Valve Globe	4/14/11	Information	N	-	N/A	-
11/11	IC	Specification	409213.13.20.40	deleted	Control Valves - Ball Modulating	4/14/11	Approval	N	-	N/A	-
	IC	Datasheet	409213.13.10.10	B	Modulating Control Valve Butterfly	4/14/11	Information	N	-	N/A	-
11/11	IC	Specification	409213.13.10.20	deleted	Control Valves - Butterfly On/Off	4/14/11	Approval	N	-	N/A	-
11/11	IC	Specification	409213.26	deleted	Solenoid Valves	4/14/11	Approval	N	-	N/A	-
	IC	Datasheet	409213.13.20.20	B	On - Off Control Valve Ball	4/14/11	Information	N	-	N/A	-
	IC	Specification			<b>Analyzers</b>	-	-	-	-	-	-
	IC	Datasheet	409116.19.92	0	Analyzer (Conductivity)	4/21/11	Information	N	-	N/A	-
	IC	Datasheet	409113.29.91	0	Analyzer (pH)	4/21/11	Issued	N	-	N/A	-
6/11	IC	Datasheet	409113.29.94	0	Analyzer (Silica)	-	Issued	N	-	N/A	-
6/11	IC	Datasheet	409113.29.95	0	Analyzer (Chlorine)	-	Issued	N	-	N/A	-
	IC	Datasheet	409123.56	0	Weather Station	4/21/11	Issued	N	-	N/A	-
	IC	Datasheet	409113.26	0	Analyzer (Natural Gas Chromatograph)	4/21/11	Issued	N	-	N/A	-
	IC	Drawing			<b>DRAWINGS</b>	-	-	-	-	-	-
	IC	Drawing			<b>Loop, Schematic &amp; Wiring Diagrams</b>	-	-	-	-	-	-
	IC	Drawing	I-W1000 - I-W1021	0	Instrument Loop Diagrams (set of 21)	10/3/11	Issued	N	-	N/A	-
11/11	IC	Drawing	I-S0300 - I-S0307	deleted	Schematics (set of 8)	-	Information	N	-	N/A	-
11/11	IC	Drawing	set of 72	deleted	Interconnect & Wiring Diagrams (set of 72)	-	Information	N	-	N/A	-
11/11	IC	Drawing	dwg ###	deleted	Equipment Interlock Diagrams (set of 4)	-	Information	N	-	N/A	-
	IC	Drawing			<b>Misc. Drawings</b>	-	-	-	-	-	-
7/11	IC	Drawing	I-N0300	0	Control System Network Architecture sht 1 of 3	-	Issued	N	-	N/A	-
7/11	IC	Drawing	I-N0301	0	Control System Network Architecture sht 2 of 3	-	Issued	N	-	N/A	-
7/11	IC	Drawing	I-N0302	0	Control System Network Architecture sht 3 of 4	-	Issued	N	-	N/A	-
7/11	IC	Drawing	I-N0303	0	Network Connection Diagram	-	Issued	N	-	N/A	-
1/12	IC	Drawing	I-N0304	0	Network Connection Diagram	-	Issued	N	-	N/A	-
1/12	IC	Drawing	I-N0305	0	Network Connection Diagram	-	Issued	N	-	N/A	-
1/12	IC	Drawing	I-N0306	0	Network Connection Diagram	-	Issued	N	-	N/A	-
1/12	IC	Drawing	I-N0307	0	Network Connection Diagram	-	Issued	N	-	N/A	-
1/12	IC	Drawing	I-N0308	0	Network Connection Diagram	-	Issued	N	-	N/A	-
7/11	IC	Drawing	I-P3500	B	Control Room Layout	-	Issued	N	-	N/A	-

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Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	IC	Drawing	I-P3000	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3001	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3002	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3003	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3004	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3005	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3006	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3007	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3008	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
11/11	IC	Drawing	I-P3009		Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
11/11	IC	Drawing	I-P3010		Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3011	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
11/11	IC	Drawing	I-P3012		Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
11/11	IC	Drawing	I-P3013		Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
11/11	IC	Drawing	I-P3014		Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
	IC	Drawing	I-P3015	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-P3016	0	Instrument Location Drawing	9/8/11	Issued	N	-	N/A	-
8/11	IC	Drawing	I-P3017	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3018	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3019	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3020	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3021	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3022	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3023	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3024	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
8/11	IC	Drawing	I-P3025	deleted	Instrument Location Drawing	9/8/11	Information	N	-	N/A	-
	IC	Drawing	I-DC001	0	Instrument Installation Detail Drawings Index	9/8/11	Issued	N	-	N/A	-
	IC	Drawing	I-DA001	0	Conductivity Or Ph (In-Line Probe)	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DF001	0	Flow Meter With Remote Indication	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DF002	0	Pitot Tube Flow Element And Integral Transmitter	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DF003	0	Flow (Dp) Instrument Low Pressure/Liquid Service Instrument Mounted Below Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DF004	0	Flow (Dp) Instrument, Low Press/Gas-Air Service, Inst Mounted Above Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DG001	0	Local Indicator Electronic	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DG002	0	Conduit Connection	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DG003	0	Instrument Tubing Detail For Process Pipe Thrust Due To Thermal Expansion	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DG004	0	Sample Tubing Support & Expansion Loop Criteria	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DG005	0	Instrument Pipe Support 2 Inch Pipe Floor Or Grade Mounting	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DG006	0	Instrument Pipe Support 2 Inch Pipe Wall Or Column Mounting	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DG007	0	Instrument Pipe Support Mounting Plate Assembly And Enclosure	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL001	0	Level Instrument, Rt/Admittance Type, Vessel Mounted	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL002	0	Level (Dp) Instrument, Flange Mounted On Vessel, Atmospheric Vessel	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL003	0	Level (Dp) Instrument Liquid Service Low Press/Low Temp Inst Mounted Below Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL004	0	Level (Dp) Instrument, Low Press/ Liquid Service, Inst Mounted Below Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL005	0	Level Switch Instrument, Drip Leg Installation, Low Pressure	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL006	0	Level Gauge Or Indicator With Level Transmitter, Low Press/Liquid Service	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL007	0	Level (Dp) Instrument Remote Diaphragm Seals	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL008	0	Level Guided Wave Radar Transmitter Low Pressure/Liquid Service	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DL009	0	Level Transmitter With Connection Head Vessel Or Sump Mounted	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP001	0	Pressure Indicator Line Mounted	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP002	0	Pressure Indicator With Diaphragm Seal, Line Mounted	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP003	0	Pressure Instrument Remote Diaphragm Seal	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP004	0	Diff Pressure Indicator Gas/Air Low Press/Low Temp Instrument Mounted Above Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP005	0	Diff Pressure Indicator Liquid Low Press/Low Temp Instrument Mounted Below Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP006	0	Pressure Instrument, Low Press/Liquid Service, Inst Mounted Below Tap	5/26/11	Issued	N	-	N/A	-

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Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	IC	Drawing	I-DP007	0	Diff Pressure Instrument, Low Press/Liquid Service, Inst Mounted Below Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP008	0	Pressure Instrument, Low Press/Air-Gas Service, Inst Mounted Above Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DP009	0	Diff Press Inst - Gas/Air Low Press/Low Temp Inst Mounted Above Taps	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DT001	0	Temperature Element, Thermocouple Or Rtd, Line Mounted	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DT002	0	Temperature Indicator, Line Or Equipment Mounted	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DT003	0	Temperature Transmitter Remote Mount	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DT004	0	Thermowell Details	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DV001	0	Instrument Air Supply Air Operated Valve Three Valve Arrangement	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DV002	0	Instrument Air Supply Air Operated Valve Six Valve Arrangement	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DV003	0	Instrument Air Supply Air Operated Valve W/Thermal Movement Three Valve Arrangement	5/26/11	Issued	N	-	N/A	-
	IC	Drawing	I-DV004	0	Instrument Air Supply Air Operated Valve W/Thermal Movement Six Valve Arrangement	5/26/11	Issued	N	-	N/A	-
11/11	IC	Drawing	#####	Deleted	Panel Drawings (set of 5)	5/26/11	Information	N	-	N/A	-
11/11	IC	Drawing	I-W2500-I-W2504	Deleted	Emergency Shut-Down System (set of 5)	5/26/11	Information	N	-	N/A	-
10/11	IC	Document	various	various	System Control Logic Narratives		Issued	N	-	N/A	-
	IC	Study/Calc			<b>Studies &amp; Calculations</b>	-	-	-	-	-	-
11/11	IC	Study/Calc	#	Deleted	Flow Cales/Philosophy	4/4/11	N	-	-	N/A	-
11/11	IC	Study/Calc	#	Deleted	Control Valve & PSV Cales/Philosophy	6/4/11	N	-	-	N/A	-
	IC	Study/Calc			<b>Lists</b>	-	-	-	-	-	-
7/11	IC	Study/Calc	I-XXX-L-X-50	0	Instrument Index	-	Issued	N	-	N/A	-
7/11	IC	Study/Calc	I-XXX-L-X-60	0	DCS I/O List	-	Issued	N	-	N/A	-
<b>PI PIPING</b>											
	PI				<b>Construction Packages/Specifications</b>	-	-	-	-	-	-
	PI	Specification	264200	0	Galvanic Anode Cathodic Protection System	5/5/11	Information	Issued	Mech-1a	Approved	-
	PI	Specification	404216	0	Power Plant Piping and Equipment Insulation	5/5/11	Issued	Y	Mech-1a	Reference only	-
	PI	Specification	405010	2	Underground Power Plant Piping	5/5/11	Information	Y	Mech-1a	R2 Approved 7/18	M1, M2
	PI	Specification	405020	0	Aboveground Power Plant Piping	5/5/11	Information	Y	Mech-1a	Reference only	M1, M2
	PI	Specification	405200	0	Shop Fabrication of Power Plant Piping	5/5/11	Information	Y	Mech-1a	Reference only	M1, M2
	PI	Specification	485868	0	Welding of Power Plant Piping	5/5/11	Information	Y	Mech-1a	Reference only	M1, M2
	PI	Specification			<b>Equipment Specifications</b>	-	-	-	-	-	-
	PI	Specification	405000	2	Power Plant Piping Materials	3/31/11	Issued	Y	Mech-1	Approved 6/10; R2 Approved 10/6/11	M1, M2
	PI	Specification	405500	2	Power Plant Valves	3/31/11	Issued	Y	Mech-1	Approved 6/10; R2 Approved 10/6/11	M1, M2
	PI	Specification	405720	0	Power Plant Piping Engineered Supports	3/31/11	Information	Y	Mech-1a	9/23/11	M1, M2
	PI	Specification	406001	0	Power Plant Strainers	5/31/11	Issued	N	-	n/a	-
	PI	Specification	406002	1	Power Plant Expansion Joints	5/31/11	Issued	N	-	n/a	-
	PI	Specification	406006DS	0	Hose Coupling	5/31/11	Issued	N	-	n/a	-
10/11	PI	Specification	406007	deleted	Drip Pan Elbow	5/31/11	Information	N	-	n/a	-
10/11	PI	Specification	406008	deleted	Vent Cap and Bird-Screen	5/31/11	Information	N	-	n/a	-
10/11	PI	Specification	406009	deleted	Flame Arrester	5/31/11	Information	Y	Mech-1a	n/a	-
	PI	Specification	406010DS	0	Backflow Preventer Data Sheet	5/31/11	Issued	Y	Mech-1a	Rev 0 Approved 10/20/11	-
	PI	Specification	406011DS	0	Safety Shower and Eye-Wash Stations Data Sheet	5/31/11	Issued	Y	Mech-1a	Rev 0 Approved 10/20/11	-
	PI		AG Support Set-01	2	Standard Support Drawing Package		Issued	N	Mech-1	Rev 2 approved 2/3/12	-
	PI		set		Special Pipe Supports (set of approx 60)		Issued	N	-	n/a	-
	PI	Drawing			<b>U/G PIPING ORTHO DRAWINGS</b>	-	-	-	-	-	-
	PI	Drawing	P-PU001	1	Piping Underground Key Plan	5/19/11	Information	Y	Mech-1a	R0 Approved 8/9; R1 approved 11/28/11	-
	PI	Drawing	P-PU060	1	Piping Plan Underground Unit 600 Scr Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU061	1	Piping Plan Underground Unit 600 Ctg Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU062	0	Piping Plan Underground Unit 600 Gsu Power Block Area	5/19/11	Information	Y	Mech-1a	R0 Approved 8/9	-
	PI	Drawing	P-PU070	1	Piping Plan Underground Unit 700 Scr Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU071	1	Piping Plan Underground Unit 700 Ctg Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU072	0	Piping Plan Underground Unit 700 Gsu Power Block Area	5/19/11	Information	Y	Mech-1a	R0 Approved 8/9	-
	PI	Drawing	P-PU080	1	Piping Plan Underground Unit 800 Scr Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU081	1	Piping Plan Underground Unit 800 Ctg Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU082	0	Piping Plan Underground Unit 800 Gsu Power Block Area	5/19/11	Information	Y	Mech-1a	R0 Approved 8/9	-
	PI	Drawing	P-PU090	1	Piping Plan Underground Unit 900 Scr Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU091	1	Piping Plan Underground Unit 900 Ctg Power Block Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-
	PI	Drawing	P-PU092	0	Piping Plan Underground Unit 900 Gsu Power Block Area	5/19/11	Information	Y	Mech-1a	R0 Approved 8/9	-
	PI	Drawing	P-PU100	1	Piping Plan Underground Unit 900 Ctg And Heater/Chiller Area	5/19/11	Information	Y	Mech-1a	R1 Approved 8/9	-

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	PI	Drawing	P-PU101	1	Piping Plan Underground Unit 900 Ctg And Chiller Area	5/19/11	information	Y	Mech-1a	R1 Approved 8/9	
	PI	Drawing	P-PU102	0	Piping Plan Underground Power Distribution Center Area	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
	PI	Drawing	P-PU103	0	Piping Plan Underground Fuel Gas Dew Point Heater Area	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
	PI	Drawing	P-PU110	1	Piping Plan Underground Chiller/Demin Water Tank Area	5/19/11	information	Y	Mech-1a	R1 Approved 8/9	
	PI	Drawing	P-PU111	1	Piping Plan Underground Chiller, Dw Tank And Ww Tank Area	5/19/11	information	Y	Mech-1a	R1 Approved 8/9	
	PI	Drawing	P-PU112	4	Piping Plan Underground F.G. Compressor And Maintenance Building Area	5/19/11	information	Y	Mech-1a	R1 Approved 8/9; R4 Approved 10/20/11	
	PI	Drawing	P-PU113	3	Piping Plan Underground F.G. Compressor And F.G. Yard Metering Area	5/19/11	information	Y	Mech-1a	R1 Approved 8/9; R3 Approved 11/28/11	
	PI	Drawing	P-PU114	0	Piping Plan Underground Plant Entrance And Fire Protection Access Area	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
	PI	Drawing	P-PU120	1	Piping Plan Underground Service Water Tank And Fire Protection Skid Area	5/19/11	information	Y	Mech-1a	R1 Approved 8/9	
	PI	Drawing	P-PU121	1	Piping Plan Underground Ww Tank, Sw Tank And Ammonia Unloading Area	5/19/11	information	Y	Mech-1a	R1 Approved 8/9	
	PI	Drawing	P-PU122	0	Piping Plan Underground Maintenance Building And Ammonia Unloading Area	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
11/11	PI	Drawing	P-PU123	0	Piping Plan Underground Raw Water Supply Line To Plant	5/19/11	information	Y	Mech-1a	R0 Approved 11/28/11	
	PI	Drawing	P-PU130	0	Piping Plan Underground Raw Water Supply Line To Plant	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
	PI	Drawing			<b>U/G PIPING DETAILS</b>	-	-	-	-	-	-
	PI	Drawing	P-PU510	0	Piping Details Underground/Aboveground Fire Protection And Bollard Details	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
	PI	Drawing	P-VU200	0	Piping Details Underground Stub-Up, Drain And Wall Penetration Details	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
	PI	Drawing	P-VU201	1	Piping Details Underground/Aboveground Utility Station And Eye Wash Details	5/19/11	information	Y	Mech-1a	R0 Approved 8/9	
					<b>U/G PIPING ISOMETRICS (sets)</b>					-	
8/11	PI	Drawing	CHW UG ISO Set-01	1	CHW Underground Piping Isometric Set w/ Index	5/19/11	information	N	--	-	
8/11	PI	Drawing	UG ISO Set-01	1	Underground Piping Isometric Set	5/19/11	information	N	--	-	
	PI	Drawing	N		<b>FIRE PROTECTION</b>	-	-	-	-	-	-
11/11	PI	Drawing	P-PU500-	deleted	U/G - Fire Protection Loop - SEE UG ORTHOS"	5/19/11	information	Y	Mech-1a	N/A	
11/11	PI	Drawing	P-PU501-	deleted	U/G - Fire Protection Loop - SEE UG ORTHOS"	5/19/11	information	Y	Mech-1a	N/A	
11/11	PI	Drawing	P-PU540	deleted	U/G - Fire Protection Loop Details	5/19/11	information	Y	Mech-1a	N/A	
	PI	Drawing	N		<b>CATHODIC PROTECTION</b>	-	-	-	-	-	-
	PI	Drawing	P-PU700	0	U/G - Cathodic Protection Plan	4/14/11	Issued	Y	Mech-1a	R0 comments 8/3/11; R1 Approved 9/29	
	PI	Drawing	P-PU701	1	U/G - Cathodic Protection Details	4/14/11	Issued	Y	Mech-1a	R0 comments 8/3/11; R1 Approved 1/6/12	
6/11	PI	Drawing	P-PU702	1	U/G - Cathodic Protection Details	4/14/11	Issued	Y	Mech-1a	R0 comments 8/3/11; R1 Approved 9/29	
					<b>A/G PIPING ISOMETRICS (set of 320)</b>	-	-	-	-	-	-
5/11, 8/11	PI	Drawing	set of xxx	0	A/G PIPING ISOMETRIC - Unit 6, 7, 8, 9	7/18/11	information	N	Mech-1a	-	
5/11, 8/11	PI	Drawing	set of xxx	0	A/G PIPING ISOMETRIC Common	7/18/11	information	N	Mech-1a	-	
					<b>A/G PIPING ORTHO DRAWINGS</b>	-	-	-	-	-	-
	PI	Drawing	P-PA001	0	A/G - Piping Key Plan	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
11/111	PI	Drawing	P-PA010	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/23/11	
	PI	Drawing	P-PA060	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA061	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA062	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA063	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA064	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA065	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA070	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA071	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA072	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA073	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA074	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA075	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA080	1	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA610	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA611	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA612	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA613	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA620	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA710	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA711	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

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Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	PI	Drawing	P-PA712	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA713	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA720	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA721	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA810	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA811	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA812	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA813	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA820	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA821	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA910	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA911	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA912	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA913	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA920	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA921	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
	PI	Drawing	P-PA123	0	Piping Plan Above Ground (ortho)	7/21/11	Issued	Y	Mech-1a	Rev 0 Approved 11/15/11	
11/11	PI	Drawing	P-PA131	0	Piping Plan Above Ground (ortho)	7/21/11	-	Y	Mech-1a	n/a	
11/11	PI	Drawing	P-PA140	0	Piping Plan Above Ground (ortho)	7/21/11	-	Y	Mech-1a	n/a	
	PI	Drawing			AG PIPING DETAILS	-	-	-	-	-	-
10/11	PI	Drawing	P-VA200	deleted	AG PIPING DETAILS	7/21/11	information	Y	Mech-1a	n/a	
10/11	PI	Drawing	P-VA201	deleted	AG PIPING DETAILS	7/21/11	information	Y	Mech-1a	n/a	
	PI	Calc/Study			<b>Calculations &amp; Analysis</b>	-	-	-	-	-	-
	PI	Calc/Study	PI-MEP-001	0	Stress Criteria for Piping Systems	6/23/11	Issued	Y	Mech-1a	rev 0 approved 10/14	
9/11	PI	Calc/Study	PI-MEP-002	0	Stress Analysis for CTG Lube Oil Pipe	6/23/11	information	Y	Mech-1a	Deleted	
	PI	Calc/Study	PI-MEP-002	0	Stress Analysis for Fuel Gas Pipe	6/23/11	Issued	Y	Mech-1a	rev 0 approved 10/14	
9/11	PI	Calc/Study	PI-MEP-00x		Stress Analysis for Ammonia Pipe	6/23/11	information	Y	Mech-1a	Deleted	
9/11	PI	Calc/Study	PI-MEP-005		Stress Analysis for Water Tank Nozzle Loads	6/23/11	information	Y	Mech-1a	Deleted	
	PI	Calc/Study	PI-MEP-003	0	Cathodic Protection Anode	4/7/11	Issued	Y	Mech-1a	Rev 0 Approved 9/29/11	
	PI	List			<b>Lists &amp; Reports</b>	-	-	-	-	-	-
	PI	List	P-XXX-L-0-0001	2	Pipe Line Report	6/17/11	Issued	Issued	Mech-1a	rev 1 Reference Only 8/22; rev 2 Ref Only 12/5/11	
	PI	List	P-XXX-L-0-0010	2	Valve Report	5/5/11	Issued	Y	Mech-1a	rev 1 Reference Only 8/22; rev 2 Approved 10/19/11	
	PI	List	P-XXX-L-0-0020	0	Agboveground Specialty Items Report	8/22/11	Issued	Y	Mech-1a	Rev 0 Approved 10/20/11	
	PI	List	P-XXX-L-0-0021	1	Hydrant Report	8/22/11	information	Issued	Mech-1a	rev 1 Reference Only 8/22	
	PI	List	P-XXX-L-0-0022	0	Expansion Joint Report	8/22/11	Issued	Y	Mech-1a	Rev 0 Approved 10/20/11	
	PI	List	P-XXX-L-0-0023	0	Permanent Strainer Report	8/22/11	Issued	Y	Mech-1a	Rev 0 Approved 10/20/11	
10/11	PI	List	P-XXX-L-0-0024	deleted	Safety Shower and Eye Wash Station Report - See AG Specialty List Above	8/22/11	information	Y	Mech-1a	n/a	
	PI	List	P-XXX-L-0-0025	2	Underground Specialty Items Report	8/22/11	information	Issued	Mech-1a	rev 1 Reference Only 8/22. Rev 2 Approved 10/20/11	
8/11	PI	List	P-XXX-L-0-0030	B	UG MTO	8/22/11	information	N	-	-	
<b>ELECTRICAL</b>											
	EL				<b>Construction Specifications</b>					-	
9/11	EL	Specification	260510	0	Wire and Cable Installation	8/25/11	Issued	Y	Elec-1	rev 0 Approved 10/14/11	Santucci email to JN 8/30/11
9/11	EL	Specification	260526	0	Grounding and Bonding	8/25/11	Issued	Y	TSE-1, Elec-1	rev 0 Elec-1 Approved 9/28/11; rev 0 TSE-1 approved 10/14/11	Santucci email to JN 8/30/11
9/11	EL	Specification	260536	0	Cable Tray	8/25/11	Issued	Y	Elec-1	rev 0 Approved 10/14/11	Santucci email to JN 8/30/11
8/11	EL	Specification	260550		Electrical Equipment Installation	8/25/11	information	deleted	deleted	Deleted	Santucci email to JN 8/30/11
9/11	EL	Specification	260575	0	Basic Electrical Material and Methods	5/6/11	Issued	Y	Elec-1	rev 0 Approved 10/14/11	Santucci email to JN 8/30/11
9/11	EL	Specification	264113	0	Lightning Protection	8/25/11	Issued	Y	Elec-1	rev 0 Approved 10/14/11	Santucci email to JN 8/30/11
9/11	EL	Specification	269900	0	Electrical Equipment Inspection and Testing	8/25/11	Issued	Y	Elec-1	rev 0 Approved 10/14/11	Santucci email to JN 8/30/11
9/11	EL	Specification	270000	0	Communications	8/25/11	Issued	Y	Elec-1	rev 0 Approved 10/14/11	Santucci email to JN 8/30/11
9/11	EL	Specification	270528	0	Telephone Raceway Systems	8/25/11	Issued	Y	Elec-1	rev 0 Approved 10/14/11	Santucci email to JN 8/30/11
9/11	EL	Specification	281300	A	Security System	8/25/11	information	N	-	N/A	
	EL	Specification	283100	B	Fire Detection and Alarm System		information	Y	Elec-1	rev B pending 2/1/12	



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**Schedule, Master Drawings Specifications List (GEN-2)**

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Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	EL	Specification	337119	1	Electrical Underground Ductbanks and Manholes	5/6/11	information	Y	ELEC-1	Approved 6/22; Rev 1 Approved 10/24/11	
	EL	Specification	337119.13	B	PreCast Concrete Manholes	5/6/11	information	N	-	N/A	
	EL	Specification	#		Above Ground Power/Control		information				
	EL	Specification	#	Deleted	Temporary Power		information			N/A	
	EL	Specification			<b>Equipment Specifications</b>					--	
	EL	Specification	260005	1	Pre-Engineered Building - Electrical	2/23/11	Issued	N	-	--	-
	EL	Specification	260504	1	Elect Requirements for Packaged Mechanical Equipment	2/14/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	260505	1	Low Voltage AC Induction Motors & Data Sheets	2/14/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	260507	0	Medium Voltage AC Induction Motors	2/14/11	Issued	Y	Elec-1	rev 0 approved 2/15/12	
11/11	EL	Specification	260513.549	Deleted	Wire & Cable - See spec 260575	4/11/11	information	Y	Elec-1	N/A	
	EL	Specification	261213	1	Unit Auxiliary Station Transformers & Data Sheets	1/27/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	261300	0	Medium Voltage Metal-Clad Switchgear & Data Sheets	3/30/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	261213	0	Station Service Power Transformers & Data Sheets	1/27/11	Issued	Y	Elec-1	rev 0 approved 2/15/12	
	EL	Specification	262300	0	Low Voltage Metal Enclosed Switchgear & Data Sheets	4/1/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	262418	B	Protective Relay Panels	7/6/11	Issued	Y	Elec-1	rev B approved 2/14/12	
	EL	Specification	262419	0	Low Voltage Motor Control Centers & data sheets	3/28/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	262502	1	Non-Segregated Phase Bus Duct & data sheets	3/28/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	262600	0	Power Distribution Centers	3/28/11	Issued	Y	Elec-1	rev 1 approved 2/15/12	
	EL	Specification	263355	0	DC and UPS Power Supply Systems	5/10/11	Issued	Y	Elec-1	rev 0 approved 2/15/12	
	EL	Specification	265000	0	Lighting	8/25/11	Issued	Y	Elec-1	rev 0 approved 10/6/12	
	EL	Specification	481923	1	Generator Step Up Transformers & Data Sheets	1/13/11	Issued	Y	Elec-1	R1 Approved 8/31	
	EL	Specification	337500	1	Generator Circuit Breaker	3/21/11	Issued	Y	Elec-1	R1 Approved 7/11	
2/12	EL	Specification	#	Deleted	Lighting & Power Panelboards-	8/10/11		Y	Elec-1	--	
8/11	EL	Specification	260536		Cable Tray; Duplicate - see constr specs above	6/24/11	Approval	Y	Elec-1	--	
	EL	Drawing			<b>Key Plans &amp; Area Classification</b>					--	
	EL	Drawing	E-K0011	0	Underground Key Plan	4/7/11	Issued	Y	Elec-1	rev 0 approved 6/22	CBO-001/A E1
	EL	Drawing	E-K0012	1	Grounding Key Plan	4/7/11	Issued	Y	Elec-1, TSE-4	rev 0 Reference Only Elec 1-16.0; rev 1 pending 12/2/11	CBO-001/A E1
	EL	Drawing	E-K0013	0	Cable Tray Key Plan	4/7/11	Issued	Y	Elec-1	rev 1 Reference Only 1/6/12	CBO-001/A E1
	EL	Drawing	E-K0014	0	Lighting Key Plan	4/7/11	Issued	Y	VIS-4a	rev 1 Reference Only 1/6/12	CBO-001/A E1
	EL	Drawing	E-K0015	0	Layout Key Plan	4/7/11	Issued	Y	Elec-1	rev 1 Reference Only 1/6/12	CBO-001/A E1
	EL	Drawing	E-A0001	0	Abbreviations and Legend	4/7/11	Issued	Y	Elec-1	rev 0 Approved 1/17/12	CBO-001/A E1
11/11	EL	Drawing	EA-0002	Deleted	Electrical Symbol Sheet	4/7/11	Information	Y	Elec-1	N/A	CBO-001/A E1
	EL	Drawing	E-C0031	0	Area Classification Plan	4/7/11	Issued	Y	Elec-1	rev 1 Reference Only 1/6/12	CBO-001/A E1
	EL	Drawing	E-C0021	0	Area Classification Notes and Details	4/7/11	Issued	Y	Elec-1	rev 1 Approved 1/6/12	CBO-001/A E1
	EL	Drawing			<b>One-Line Diagrams</b>					--	
	EL	Drawing	E-N1000	2	Overall One-Line Diagram	5/5/11	Issued	Y	Elec-1	R1 Approved 8/11/11; R2 Approved 10/6/11	
	EL	Drawing	E-N1001	3	Medium Voltage One-Line Diagrams Unit 6	7/5/11	Issued	Y	Elec-1	RO Approved 8/11/11; Rev 2 approved 1/11/12; Rev 3 pending 3/2/12	
	EL	Drawing	E-N1002	2	Medium Voltage One-Line Diagrams Unit 7	7/5/11	Issued	Y	Elec-1	RO Approved 8/11/11; Rev 2 approved 1/11/12	
	EL	Drawing	E-N1003	2	Medium Voltage One-Line Diagrams Unit 8	7/5/11	Issued	Y	Elec-1	RO Approved 8/11/11; Rev 2 approved 1/11/12	
	EL	Drawing	E-N1004	3	Medium Voltage One-Line Diagrams Unit 9	7/5/11	Issued	Y	Elec-1	RO Approved 8/11/11; Rev 2 approved 1/11/12; Rev 3 pending 3/2/12	
	EL	Drawing	E-N1005	1	MV One- Line SG-EMV-0-01A sht 1	7/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/10/11; Rev 1 Approved 11/1/11	
	EL	Drawing	E-N1006	1	MV One- Line SG-EMV-0-01A sht 2	7/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/10/11; Rev 1 Approved 11/1/11	
	EL	Drawing	E-N1007	2	MV One- Line SG-EMV-0-01B sht 1	7/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/10/11; Rev 1 Approved 11/1/11; rev 2 approved 2/24/12	
	EL	Drawing	E-N1008	1	MV One- Line SG-EMV-0-01B sht 2	7/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/10/11; Rev 1 Approved 11/1/11	
	EL	Drawing	E-N1009	2	Low Voltage One-Line Diagrams SG-ELV-0-01 A/B	5/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/19/11; Rev 1 approved 1/17/12 ; rev 2 approved 2/14/12	
11/11	EL	Schedule	MCC-ELV-0-01A	Deleted	Low Voltage MCC Diagrams MCC-ELV-0-01A; see E-N1011	5/5/11	Issued	Y	Elec-1	n/a	
11/11	EL	Schedule	MCC-ELV-0-01B	Deleted	Low Voltage MCC Diagrams MCC-ELV-0-01B- See E-N1012	5/5/11	Issued	Y	Elec-1	n/a	
	EL	Drawing	E-N1010	1	Low Voltage MCC One-Line Diagram MCC-ELV-0-01A	5/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/19/11; Rev 1 approved 1/18/12	
	EL	Drawing	E-N1011	1	Low Voltage One-Line Diagram MCC-ELV-0-01A	5/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/19/11; Rev 1 approved 1/18/12	

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	EL	Drawing	E-N1012	1	Low Voltage One-Line Diagram MCC-ELV-0-01B	5/5/11	Issued	Y	Elec-1	Rev 0 Approved 10/19/11; Rev 1 approved 1/18/12	
	EL	Drawing	E-N1013	1	Low Voltage One-Line Diagram MCC-ELV-0-01B	-	Issued	Y	Elec-1	Rev 0 Approved 10/19/11; Rev 1 approved 1/18/12	
7/11	EL	Drawing	E-N1014	1	LV One-Line Diagram MCC-ELV--6-01	-	Issued	Y	Elec-1	R0 Approved 11/8/11; Rev 1 Approved 1/26/12	
7/11	EL	Drawing	E-N1015	1	LV One-Line Diagram MCC-ELV--7-01	-	Issued	Y	Elec-1	R0 Approved 11/8/11; Rev 1 Approved 1/26/12	
7/11	EL	Drawing	E-N1016	1	LV One-Line Diagram MCC-ELV--8-01	-	Issued	Y	Elec-1	R0 Approved 11/8/11; Rev 1 Approved 1/26/12	
7/11	EL	Drawing	E-N1017	1	LV One-Line Diagram MCC-ELV--9-01	-	Issued	Y	Elec-1	R0 Approved 11/8/11; Rev 1 Approved 1/26/12	
9/11	EL	Drawing	E-N1020	1	UPS One-Line Diagram	8/2/11	Issued	Y	Elec-1	Rev 0 comments 9/28; Rev 1 approved 11/30/11	
9/11	EL	Drawing	E-N1021	1	DC Power Distribution One-Line Diagram	8/2/11	Issued	Y	Elec-1	Rev 0 comments 9/28; Rev 1 approved 11/30/11	
	EL	Drawing			<b>Three-Line Diagrams</b>					-	
	EL	Drawing	E-N1300	1	MV Three Line GEN-CTG-6-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1301	1	MV Three Line GEN-CTG-7-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1302	1	MV Three Line GEN-CTG-8-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1303	1	MV Three Line GEN-CTG-9-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1304	4	MV Three Line GCB-EMV-6-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1305	3	MV Three Line GCB-EMV-7-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1306	3	MV Three Line GCB-EMV-8-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1307	3	MV Three Line GCB-EMV-9-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1308	3	HV Three Line GSU-EHV-6-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1309	3	HV Three Line GSU-EHV-7-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1310	3	HV Three Line GSU-EHV-8-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1311	3	HV Three Line GSU-EHV-9-01	7/13/11	Issued	N	-	n/a	-
9/11	EL	Drawing	E-N1312	deleted	MV Three Line SG-EMV-0-01A-(replaced by vendor dwgs)	7/13/11	information	N	-	n/a	-
9/11	EL	Drawing	E-N1313	deleted	MV Three Line SG-EMV-0-01B (replaced by vendor dwgs)	7/13/11	information	N	-	n/a	-
	EL	Drawing	E-N1314	3	MV Three Line AUX-EMV-0-01A	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1315	3	MV Three Line AUX-EMV-0-01B	7/13/11	Issued	N	-	n/a	-
	EL	Drawing	E-N1316	0	MV Three Line CMP-FG-0-01	7/13/11	Issued	N	-	n/a	-
	EL	Drawing			<b>Schematic &amp; Wiring Diagrams</b>						
11/11	EL	Drawing	E-W1600	deleted	Relay Panel Layout	7/8/11	information	N	-	n/a	-
	EL	Drawing	E-W1601	0	Relay Panel Layout	7/8/11	information	N	-	n/a	-
	EL	Drawing	E-W1602	0	Relay Panel Layout	7/8/11	information	N	-	n/a	-
	EL	Drawing	E-W1603	0	Relay Panel Layout	7/8/11	information	N	-	n/a	-
	EL	Drawing	E-W1604	0	Relay Panel Layout	7/8/11	information	N	-	n/a	-
	EL	Drawing	E-W1605	0	Relay Panel Layout	7/8/11	information	N	-	n/a	-
	EL	Drawing	E-W1606	0	Relay Panel Layout	7/8/11	information	N	-	n/a	-
11/11	EL	Drawing	E-W1607	Vendor	Relay Panel RP-XXX-0-01-87/GSU-9	7/8/11	information	N	-	n/a	-
11/11	EL	Drawing	E-W1608	Vendor	MV Breaker Main DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1609	Vendor	MV Breaker Tie DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1610	Vendor	MV Breaker Main DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1611	Vendor	MV Breaker 1-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1612	Vendor	MV Breaker 2-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1613	Vendor	MV Breaker 3-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1614	Vendor	MV Breaker 4-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1615	Vendor	MV Breaker 5-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1616	Vendor	MV Breaker 6-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1617	Vendor	MV Breaker 7-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1618	Vendor	MV Breaker 8-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1619	Vendor	MV Breaker 9-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1620	Vendor	MV Breaker 10-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1621	Vendor	MV Breaker 11-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1622	Vendor	MV Breaker 52G-EMV-6-01	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1623	Vendor	MV Breaker 52G-EMV-6-02	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1624	Vendor	MV Breaker 52G-EMV-7-01	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1625	Vendor	MV Breaker 52G-EMV-8-01	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1626	Vendor	MV Breaker 52G-EMV-9-01	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1627	Vendor	MV Breaker 52G-EMV-9-02	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1644	0	ESD System Schematic	-	Issued	Y	Elec-1	rev A approved 1/11/12; rev 0 approved 2/23/12	

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

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Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
11/11	EL	Drawing	E-W1645	0	ESD System Schematic	-	Issued	Y	Elec-1	rev A conditional approval 1/11/12 (item on Hold); rev 0 approved 2/23/12	
11/11	EL	Drawing	E-W1651	Vendor	CMP-FG-0-01A/B/C/D/E-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1652	Vendor	CMP-FG-0-01A/B/C/D/E-DC Schematic	8/10/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1653	Vendor	RO Water Pump A/B Schematic	8/3/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1654	Vendor	Demin Water Pump A/B Schematic	8/3/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1655	Vendor	WW Sump Pump A/B Schematic	8/3/11	information	Y	Elec-1	n/a	
	EL	Drawing	E-W1656	0	Fuel Gas Compr Oil Cooler Fan Schematic/Wiring Diagram	8/3/11	Issued	Y	Elec-1	rev A approved 10/26/11; rev 0 pending 2/13/12	
	EL	Drawing	E-W1657	0	Fuel Gas Compr Oil Pump Schematic/Wiring Diagram	8/3/11	Issued	Y	Elec-1	rev A approved 10/26/11; rev 0 pending 2/13/12	
11/11	EL	Drawing	E-W1658	Vendor	Gas Comp Gas Coolers 1/2/3/4/5 A/B Schematic	8/3/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1659	Vendor	Tempering Air Fan 6/7/8/9 A/B Schematic	8/3/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1660	Vendor	Ammonia Forwarding Pumps A/B/C Schematic	8/3/11	information	Y	Elec-1	n/a	
11/11	EL	Drawing	E-W1661	Vendor	Dilution Air Fan 6/7/8/9 A/B Schematic	8/3/11	information	Y	Elec-1	n/a	
	EL	Drawing	E-W1663	0	Communications System	8/3/11		N	-	n/a	
11/11	EL	Drawing	E-W1664	deleted	Communications System	8/3/11	information	N	-	n/a	
9/11	EL	Drawing	B-SS004	1	Switchyard communication	-	Issued	N	-	n/a	
11/11	EL	Drawing	E-W1665	deleted	Security System	8/3/11	information	N	-	n/a	
	EL	Drawing	E-W1666		CAISO Panel	8/3/11		N	-		
	EL	Drawing	E-W1667	0	Phasor Diagram	8/3/11		N	-	n/a	
11/11	EL	Drawing	n/a	deleted	Metering	8/3/11		N	-	n/a	
2/12	EL	Drawing	E-W1669	0	Synchroclosure Wiring Diagram		Issued	Y	Elec-1	rev 0 approved 2/29/12	
	EL	Drawing	E-W1670	1	SWGR-EMV-0-01A Communications Connection Drawing		Issued	N	-	n/a	
3/12	EL	Drawing	E-W1800	0	52G-6 Breaker DC Schematic		Issued	Y	Elec-1	rev 0 pending 3/2/12	
3/12	EL	Drawing	E-W1801	0	52G-7 Breaker DC Schematic		Issued	Y	Elec-1	rev 0 pending 3/2/12	
3/12	EL	Drawing	E-W1802	0	52G-8 Breaker DC Schematic		Issued	Y	Elec-1	rev 0 pending 3/2/12	
3/12	EL	Drawing	E-W1803	0	52G-9 Breaker DC Schematic		Issued	Y	Elec-1	rev 0 pending 3/2/12	
3/12	EL	Drawing	E-W1804	0	52G-A Breaker DC Schematic		Issued	Y	Elec-1	rev 0 pending 3/2/12	
3/12	EL	Drawing	E-W1805	0	52G-B Breaker DC Schematic		Issued	Y	Elec-1	rev 0 pending 3/2/12	
	EL	Drawing			<b>Underground (model &amp; dwgs)</b>				CBO-001/A E1	-	CBO-001/A E1
	EL	Drawing	E-U2000	0	Underground Notes and Details	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22	CBO-001/A E1
	EL	Drawing	E-U2001	0	Underground Notes and Details	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22	CBO-001/A E1
8/11	EL	Drawing	E-U2002	2	Manhole Details	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; Rev 1 pending 9/1/11; rev 2 approved 12/28/11	
	EL	Drawing	E-U2003	1	Cable Vault Details	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; Rev 1 Approved 1/13/12	CBO-001/A E1
9/11	EL	Drawing	E-U2005	0	UG Details Gas Compressor Area	-	Issued	Y	Elec-1	rev 0 pending 9/8	
11/11	EL	Drawing	E-U2007	deleted	PDC Stub-Up Details	5/12/11	information	Y	Elec-1	n/a	CBO-001/A E1
11/11	EL	Drawing	E-U2008	deleted	PDC Stub-Up Details	5/12/11	information	Y	Elec-1	n/a	CBO-001/A E1
11/11	EL	Drawing	E-U2009	deleted	BOP Stub-Up Details - Gas Area	5/12/11	information	Y	Elec-1	n/a	CBO-001/A E1
	EL	Drawing	E-U2010	4	Manhole Details	5/12/11	Issued	Y	Elec-1	rev 4 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2011	4	Manhole Details	5/12/11	Issued	Y	Elec-1	R4 Approved 8/9/11	CBO-001/A E1
	EL	Drawing	E-U2012	2	Manhole Details	5/12/11	Issued	Y	Elec-1	R2 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2013	2	Manhole Details	5/12/11	Issued	Y	Elec-1	R2 Approved 8/9/11	CBO-001/A E1
	EL	Drawing	E-U2014	3	Manhole Details	5/12/11	Issued	Y	Elec-1	R3 Approved 8/9/11	CBO-001/A E1
	EL	Drawing	E-U2015	1	Manhole Details	5/12/11	Issued	Y	Elec-1	R1 Approved 8/9/11	CBO-001/A E1
	EL	Drawing	E-U2016	1	Manhole Details	5/12/11	Issued	Y	Elec-1	R1 Approved 8/9/11	CBO-001/A E1
	EL	Drawing	E-U2017	1	Manhole Details	5/12/11	Issued	Y	Elec-1	R1 Approved 8/9/11	CBO-001/A E1
12/11	EL	Drawing	E-U2020	deleted	MV Breaker Vault - Unit 6, 7, 8, 9 Details - See E-P6025	5/12/11	information	Y	Elec-1	n/a	CBO-001/A E1
	EL	Drawing	E-U2021	6	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 6 approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2023	6	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 6 Approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2025	5	Ductbank Sections	5/12/11	Issued	Y	Elec-1	Rev 3 Approved 10/3; rev 5 Approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2027	3	Ductbank Sections	5/12/11	Issued	Y	Elec-1	Rev 2 Approved 10/3; rev 3 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2029	3	Ductbank Sections	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 9/28; rev 3 Approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2031	4	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 3 approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2033	4	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 4 Approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2035	3	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 3 Approved 1/23/12	CBO-001/A E1



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	EL	Drawing	E-U2037	3	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 3 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2039	3	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 3 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2040	6	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 6 Approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2041	6	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 6 Approved 1/23/12	CBO-001/A E1
9/11	EL	Drawing	E-U2042	2	Ductbank Sections		Issued	Y	Elec-1	rev 0 Approved 9/26 ; Rev 2 Approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2043	3	Ductbank Sections	5/12/11	Issued	Y	Elec-1	Rev 2 Approved 9/28; rev 3 approved 12/28/11	CBO-001/A E1
8/11	EL	Drawing	E-U2044	4	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 4 Approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2045	6	Ductbank Sections	5/12/11	Issued	Y	Elec-1	Rev 3 Approved 10/3; rev 6 Approved 1/23/12	CBO-001/A E1
8/11	EL	Drawing	E-U2046	3	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 3 approved 12/28/11	
	EL	Drawing	E-U2047	6	Ductbank Sections	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 6 Approved 1/23/12	CBO-001/A E1
	EL	Drawing	E-U2106	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 2 Approved 10/3; rev 4 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2107	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 2 Approved 10/3; rev 4 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2108	3	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 2 Approved 10/3; rev 3 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2109	3	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3; rev 3 approved 12/28/12	CBO-001/A E1
	EL	Drawing	E-U2111	1	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2112	2	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 2 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2113	2	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 2 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2114	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 4 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2115	1	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2116	1	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2117	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 4 Approved 10/24/11	CBO-001/A E1
	EL	Drawing	E-U2118	5	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 5 Approved 11/29/11	CBO-001/A E1
	EL	Drawing	E-U2119	2	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 2 Approved 10/24/11	CBO-001/A E1
	EL	Drawing	E-U2120	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 4 Approved 10/24/11	CBO-001/A E1
	EL	Drawing	E-U2121	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; Rev 3 Approved 10/24/11; Rev 4 Approved 11/10/11	CBO-001/A E1
	EL	Drawing	E-U2122	1	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2123	0	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22	CBO-001/A E1
	EL	Drawing	E-U2124	1	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2125	3	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 3 approved 12/28/11	CBO-001/A E1
	EL	Drawing	E-U2126	2	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 2 Approved 10/24/11	CBO-001/A E1
	EL	Drawing	E-U2127	1	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2128	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 4 Approved 11/29/11	CBO-001/A E1
	EL	Drawing	E-U2129	1	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	Rev 1 Approved 10/3	CBO-001/A E1
	EL	Drawing	E-U2130	5	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 5 approved 11/29/11	CBO-001/A E1
	EL	Drawing	E-U2131	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; rev 4 Approved 10/24/11	CBO-001/A E1
	EL	Drawing	E-U2132	4	Electrical Underground Plan	5/12/11	Issued	Y	Elec-1	rev 0 approved 6/22; Rev 3 Approved 10/24/11; Rev 4 Approved 11/10/11	CBO-001/A E1

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		Drawing	E-U2150	3	Electrical Underground Plan	--	Issued	Y	Elec-1	R1 Approved 10/3; rev 3 approved 12/28/11	CBO-001/A E1
	EL	Drawing			<b>Grounding &amp; Lightning Protection (2D)</b>	--	--	--	--	--	
	EL	Drawing	E-G3000	2	Grounding Notes and Details	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 2 Approved 12/13/11	CBO-001/A E1
	EL	Drawing	E-G3001	0	Grounding Notes and Details	6/13/11	information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11	CBO-001/A E1
	EL	Drawing	E-G3002	1	Grounding Notes and Details	6/13/11	information	Y	Elec-1, TSE-4	R1 Approved 10/5/11	CBO-001/A E1
	EL	Drawing	E-G3003	1	Grounding Details	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11	CBO-001/A E1
	EL	Drawing	E-G3100	0	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11 (TSE & Elec)	CBO-001/A E1
	EL	Drawing	E-G3101	0	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11 (TSE & Elec)	CBO-001/A E1
	EL	Drawing	E-G3102	0	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11 (TSE & Elec)	CBO-001/A E1
	EL	Drawing	E-G3103	0	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11 (TSE & Elec)	CBO-001/A E1
	EL	Drawing	E-G3104	0	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11 (TSE & Elec)	CBO-001/A E1
	EL	Drawing	E-G3105	0	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11 (TSE & Elec)	CBO-001/A E1
	EL	Drawing	E-G3106	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11	CBO-001/A E1
	EL	Drawing	E-G3107	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3108	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3109	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
11/11	EL	Drawing	E-G3110	deleted	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3111	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3112	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3113	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3114	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3115	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3116	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3117	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3118	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3119	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3120	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3121	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3122	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3123	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3124	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3125	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3126	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3127	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3128	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3129	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

Document: CBO-0001

Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	EL	Drawing	E-G3130	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3131	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
	EL	Drawing	E-G3132	1	Grounding Plan	6/13/11	information	Y	Elec-1, TSE-4	rev 0 comments; rev 1 Approved 12/13/11 for TSE & Elec	CBO-001/A E1
11/11	EL	Drawing	E-G3133	0	Grounding Plan		information	Y	Elec-1, TSE-4	rev 0 approved 12/13/11	
11/11	EL	Drawing	E-G3133	deleted	Lightning Protection Plan	7/5/11	information	Y	Elec-1	n/a	CBO-001/A E1
11/11	EL	Drawing	E-G3134	deleted	Lightning Protection Plan	7/5/11	information	Y	Elec-1	n/a	CBO-001/A E1
	EL	Drawing			<b>CableTray (model and dwgs)</b>	--	--	--	--	--	
	EL	Drawing	E-T4000	0	Cable Tray Notes and Details	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4001	0	Cable Tray Details Unit CTG/PCM Sections	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
11/11	EL	Drawing	E-T4002	deleted	Cable Tray Notes and Details	6/10/11	information	Y	Elec-1	n/a	CBO-001/A E1
	EL	Drawing	E-T4005	0	Cable Tray Layout PDC Tray at El. 128 & 129		Issued	Y	Elec-1	rev 0 Reference Only 12/28/11	
	EL	Drawing	E-T4006	0	Cable Tray Layout PDC Tray at El. 128 & 129		Issued	Y	Elec-1	rev 0 Reference Only 12/28/11	
	EL	Drawing	E-T4100	0	Cable Tray Plan - PDC (refers to other dwgs only; no details)	5/10/11	Issued	Y	Elec-1	n/a	CBO-001/A E1
	EL	Drawing	E-T4101	1	Cable Tray Plan - CTG 6	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4102	1	Cable Tray Plan - CTG 7	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4103	1	Cable Tray Plan - CTG 8	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4104	1	Cable Tray Plan - CTG 9	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4105	1	Cable Tray Plan - PCM6	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4106	1	Cable Tray Plan - PCM7	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4107	1	Cable Tray Plan - PCM8	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing	E-T4108	1	Cable Tray Plan - PCM9	5/10/11	Issued	Y	Elec-1	rev 1 approved 1/6/12	CBO-001/A E1
	EL	Drawing			<b>Lighting &amp; Recepticles (2D)</b>	--	--	--	--	--	
	EL	Drawing	E-L5000	1	Lighting Notes and Details	5/17/11	Issued	Y	VIS-4a	rev 0 pending 11/3/11; rev 1 Comments 12/16/11; Approved 2/14/12	
	EL	Drawing	E-L5001	2	Lighting Notes and Details	5/17/11	Issued	Y	VIS-4a	approved under TSE but needs to go to VIS too; VIS-4 rev 1 Approved 2/14/12	
	EL	Drawing	E-L5002	0	Stack Warning Lights	5/17/11	Issued	Y	VIS-4a / Trans-7	rev 0 Comments 12/16/11; Trans-7.1.0 Reference Only 1/11/12	
11/11	EL	Drawing	E-L5003	1	Lighting Notes and Details	--	Issued	Y	VIS-4a	rev 0 pending 12/2/11; rev 1 approved 2/14/12	
	EL	Drawing	E-L5004	0	Lighting Level Topography	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; response letter approved 2/14/12	
11/11	EL	Drawing	E-L5100	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
11/11	EL	Drawing	E-L5101	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
11/11	EL	Drawing	E-L5102	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
11/11	EL	Drawing	E-L5103	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
11/11	EL	Drawing	E-L5104	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
11/11	EL	Drawing	E-L5105	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
11/11	EL	Drawing	E-L5106	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
	EL	Drawing	E-L5107	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5108	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5109	2	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 pending 12/2/11; rev 2 approved 2/14/12	
11/11	EL	Drawing	E-L5110	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
	EL	Drawing	E-L5111	2	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 pending 12/2/11; rev 2 approved 2/14/12	
	EL	Drawing	E-L5112	4	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 4 approved 2/14/12	
	EL	Drawing	E-L5113	2	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 2 approved 2/14/12	
	EL	Drawing	E-L5114	2	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 2 approved 2/14/12	
	EL	Drawing	E-L5115	1	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 pending 12/2/11; rev 1 approved 2/14/12	
	EL	Drawing	E-L5116	4	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 4 approved 2/14/12	
	EL	Drawing	E-L5117	1	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; response letter approved 2/14/12	
	EL	Drawing	E-L5118	1	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; response letter approved 2/14/12	
	EL	Drawing	E-L5119	1	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; response letter approved 2/14/12	

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

Document: CBO-0001

Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	EL	Drawing	E-L5120	4	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 4 approved 2/14/12	
	EL	Drawing	E-L5121	2	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 pending 12/2/11; rev 2 approved 2/14/12	
	EL	Drawing	E-L5122	0	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; response letter approved 2/14/12	
	EL	Drawing	E-L5123	1	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5124	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5125	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5126	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5127	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5128	1	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5129	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5130	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
	EL	Drawing	E-L5131	3	Lighting Plan	5/17/11	Issued	Y	VIS-4a	rev 0 Comments 12/16/11; rev 3 approved 2/14/12	
2/12	EL	Drawing	E-L5132	deleted	Lighting Plan	5/17/11	Approval	Y	VIS-4a	n/a	
	EL	Drawing			<b>Power and Control (2D)</b>					--	
	EL	Drawing	E-P6000	0	Layout Details	7/27/11	Issued	N		--	
	EL	Drawing	E-P6001	A	Junction Box Layout and Mounting Detail	7/27/11	Issued	N		--	
	EL	Drawing	E-P6002		Power and Control Notes and Details	7/27/11	information				
2/12	EL	Drawing	E-P6003	deleted		-	n/a	n/a	n/a	n/a	
12/11	EL	Drawing	E-P6020	1	Preliminary PDC Layout	3/28/11	Issued	Y	TSE-1, Elec-1	rev 1 approved 1/17/12	
12/11	EL	Drawing	E-P6025	0	Generator Circuit Breaker Location Detail	-	Issued	Y	Elec-1	rev 0 approved 1/17/12	
2/12	EL	Drawing	E-P6030	deleted		-	information	Y	Elect-1	n/a	
	EL	Drawing	E-P6031	0	Non-Seg Bus Layout at GSU	-	Issued	Y	Elect-1	rev 0 Approved 1/30/12	
	EL	Drawing	E-P6032	0	Non-Seg Bus Layout at MV Breaker	-	Issued	Y	Elect-1	rev 0 approved 2/29/12	
10/11	EL	Drawing	E-P6033	0	PDC Building Non-seg Bus Layout	3/28/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
10/11	EL	Drawing	E-P6034	0	PDC Building Non-seg Bus Sections	3/28/11	Issued	Y	Elect-1	rev 1 Approved 1/6/12	
11/11	EL	Drawing	E-P6039	0	Chiller Unit Details	-	Issued	Y	Elect-1	rev 0 approved 1/17/12	
2/12	EL	Drawing	E-P6100	deleted	Power and Control Plan	7/27/11	information	Y	Elect-1	n/a	
11/11	EL	Drawing	E-P6101	deleted	Power and Control Plan	7/27/11	information	Y	Elect-1	n/a	
11/11	EL	Drawing	E-P6102	deleted	Power and Control Plan	7/27/11	information	Y	Elect-1	n/a	
11/11	EL	Drawing	E-P6103	deleted	Power and Control Plan	7/27/11	information	Y	Elect-1	n/a	
11/11	EL	Drawing	E-P6104	deleted	Power and Control Plan	7/27/11	information	Y	Elect-1	n/a	
11/11	EL	Drawing	E-P6105	deleted	Power and Control Plan	7/27/11	information	Y	Elect-1	n/a	
	EL	Drawing	E-P6106	1	Electrical Above Ground Plan	7/27/11	information			rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6107	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6108	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6109	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
11/11	EL	Drawing	E-P6110	deleted	Power and Control Plan	7/27/11	information	Y	Elect-1	n/a	
9/11	EL	Drawing	E-P6111	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6112	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6113	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6114	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6115	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6116	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6117	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6118	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12; Rev 1 approved 2/14/12	
9/11	EL	Drawing	E-P6119	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12; Rev 1 approved 2/14/12	
9/11	EL	Drawing	E-P6120	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6121	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6122	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6123	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6124	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6125	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6126	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12; Rev 1 approved 2/14/12	

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

Document: CBO-0001

Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
9/11	EL	Drawing	E-P6127	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6128	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6129	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6130	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6131	1	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
9/11	EL	Drawing	E-P6132	0	Electrical Above Ground Plan	7/27/11	Issued	Y	Elect-1	rev 1 Reference Only 1/6/12	
11/11	EL	Drawing	E-P6133	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6134	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6135	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6136	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6137	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6138	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6139	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6140	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6141	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6142	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6143	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6144	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6145	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6146	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6147	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6148	deleted	Power and Control Plan	7/27/11	information			N/A	
11/11	EL	Drawing	E-P6149	deleted	Power and Control Plan	7/27/11	information			N/A	
					<b>Lists and Schedules</b>					--	
2/12	EL	Drawing	E-S1500	1	Panel Schedules UPS-UPS-0-01	-	Issued	N	-	N/A	
8/11	EL	Drawing	E-S1501	1	Panel Schedules UPS-UPS-0-01	-	Issued	N	-	N/A	
8/11	EL	Drawing	E-S1502	2	Panel Schedules DCP-DC-0-01	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1503	0	Unit 600 PCM Panel Schedule	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1504	0	Unit 600 MCC Panel Schedule	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1505	0	Unit 700 PCM Panel Schedule	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1506	0	Unit 700 MCC Panel Schedule	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1507	0	Unit 800 PCM Panel Schedule	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1508	0	Unit 800 MCC Panel Schedule	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1509	0	Unit 900 PCM Panel Schedule	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1510	0	Unit 900 MCC Panel Schedule	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1511	0	Panel Schedule Warehouse and control building	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1512	0	CEMS 6 Panel Schedule	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1513	0	CEMS 7 Panel Schedule	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1514	0	CEMS 8 Panel Schedule	-	Issued	N	-	N/A	
9/11	EL	Drawing	E-S1515	0	CEMS 9 Panel Schedule	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1516	0	Panel Schedule - chillers	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1517	0	Panel Schedule - chillers	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1518	0	Panel Schedule GCB	-	Issued	N	-	N/A	
11/11	EL	Drawing	E-S1519	0	Panel Schedule GCB	-	Issued	N	-	N/A	
2/12	EL	Drawing	E-S1520	0	Panel Schedule Water Heater Module LP-CHW-0-05	-	Issued	N	-	N/A	
9/11	EL	List	E-S-9001		Equipment Schedule	-	Information	N	-	N/A	
9/11	EL	List	E-S-9002	0	Cable Schedule	-	Issued	N	-	N/A	
9/11	EL	List	E-S-9003		Conduit Schedule	-	Information	N	-	N/A	
9/11	EL	List	E-S-9004		Tray Schedule	-	Information	N	-	N/A	
	EL				<b>Plant Systems Design</b>		--	--	--	--	CBO-001/A E1
11/11	EL	Drawing	E-P6000	deleted	Security System		Approval			N/A	
11/11	EL	Drawing	E-P6001	deleted	Fire Protection		Approval	Y	Elec-1	N/A	CBO-001/A E1
9/11	EL	Drawing	E-W1663	A	Plant Communications Systems Schematic		Issued	N	--	--	
10/11	EL	Drawing	E-W1667	A	Interconnection Phasing Diagram		Issued	N	--	N/A	
10/11	EL	Drawing	E-W1668	1	Relay Trip Matrix		Issued	N	--	Rev 0 For Reference Only 11/10/11; Rev 1 approved 1/10/12	
10/11	EL	Drawing	B-SS004	A	Switchyard Communication		Issued	N	--	N/A	
	EL	Study/Calc			<b>Studies</b>		--	--	--	--	CBO-001/A E1
	EL	Study/Calc	EE-03	A	Short Circuit Study	6/14/11	Issued	Y	Elec-1	rev A approved 8/16	CBO-001/A E1
	EL	Study/Calc	EE-02	A	Load Flow Study & Voltage Drop	5/3/11	Approval	Y	Elec-1	rev A approved 8/16	CBO-001/A E1
	EL	Study/Calc	EE-06	0	Arc Flash Study	5/24/11	Issued	Y	Elec-1	rev 0 approved 12/28/11	CBO-001/A E1
	EL	Study/Calc	EE-004	0	Grounding System Study	5/3/11	Issued	Y	Elec-1; TSE-4	rev 0 approved Elec-1 10/6/11; rev 0 pending 10/25/11 TSE-4	CBO-001/A E1
	EL	Study/Calc	EE-005	0	Relay Coordination and Setting Design		Issued	Y	Elec-1	rev 0 approved 12/28/11	CBO-001/A E1
	EL	Study/Calc	#		Ductbank Ampacity	4/13/11	Approval	Y	Elec-1		CBO-001/A E1
11/11	EL	Study/Calc	#	deleted	Distribution System Optimization Study (client deliverable); see EE-02	4/28/11	Approval	Y	Elec-1	N/A	CBO-001/A E1



**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

Document: CBO-0001

Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
	EL	Study/Calc	#		PSS Settings (subcontracted - GE??)			Y	Elec-1		CBO-001/A E1
	EL	Study/Calc	#		<b>Calculations</b>		--	--	--	--	--
11/11	EL	Study/Calc	#	deleted	Lighting Cals- See E-L5004		information	Y	Elec-1	N/A	CBO-001/A E1
11/11	EL	Study/Calc	#	Vendor	Battery Sizing		information	Y	Elec-1	N/A	CBO-001/A E1
	EL	Study/Calc	EC-01	0	Temporary Construction Power Calculation		information	Y	ELEC-1-2.0	approved 7/1/11	CBO request
<b>T&amp;D TRANSMISSION &amp; DISTRIBUTION</b>											
	T&D	Specification			<b>Specifications</b>		--	--	--		--
	T&D	Specification			<b>Construction &amp; Installation Specifications</b>		--	--	--		--
9/11	T&D/ Struct	Specification	316329	1	Drilled Concrete Piers		Issued	Y	TSE-1, TSE-4; Struc-1	rev 0 TSE-4 and Struc-1 comments 10/39/11; rev 1 Approved 10/27/11 & 11/2/11	
10/11	T&D	Specification	337250		Electrical Construction - Swyd/Substn - By Vendor Distran		Information	Y	TSE-1, TSE-4	n/a	
10/11	T&D	Specification	269900		Electrical Construction - Testing		Information	Y	TSE-1, TSE-4	n/a	
10/11	T&D	Specification			Communications Equipment (incl Fiber Optic Term)		Information	Y	TSE-1, TSE-4	n/a	
8/11	T&D	Specification	337116.23		T-line Structures (replaced by design criteria & PG&E docs)		Information	Y	TSE-1, TSE-4	n/a	
8/11	T&D	Specification	337150		T-Line Construction- (replaced by Exhibit A Scope of Work)		Information	Y	TSE-1, TSE-4	n/a	
9/11	T&D	Specification	n/a	n/a	Compliance Letter , T-Line design		Information	Y N	TLSN-1	CEC compliance letter issued 4/11 & approved by CEC at meeting	
9/11	T&D	Specification	n/a	n/a	Compliance Letter , T-Line grounding		Information	Y N	TLSN-4	CEC compliance letter	
	T&D	Specification			<b>Equipment Procurement Specifications</b>		--	--	--		--
5/11	T&D	Specification	260001	2	230KV Circuit Breaker		Approval	Y	TSE-1, TSE-4	R2 Reference Only 8/11/11	
5/11	T&D	Specification	260002	0	230KV Substation Disconnect Switch		Approval	Y	TSE-1, TSE-4	R0 Reference Only 8/11/11	
5/11	T&D	Specification			Gang Operated Air Switches		Approval	Y	TSE-1, TSE-4		
5/11	T&D	Specification	260003	1	230 KV Combined Metering Transformers (Relaying)		Approval	Y	TSE-1, TSE-4	R1 Reference Only 8/11/11	
	T&D	Specification	260004	0	230KV Surge Substation Lightning Arresters		Approval	Y	TSE-1, TSE-4	R0 Reference Only 8/11/11	
8/11	T&D	Specification			Current Transformers (Metering Accuracy in Breaker)		Approval	Y	TSE-1, TSE-4		
	T&D	Specification	260006	1	230 KV Capacitor Voltage Transformers		Approval	Y	TSE-1, TSE-4	R1 Reference Only 8/11/11	
10/11	T&D	Specification			Relay Panels & Racks - See Electrical Above		Approval	Y	TSE-1, TSE-4	n/a	
10/11	T&D	Specification			Telephone / Communications Equipment- See Electrical Above		Approval	Y	TSE-1, TSE-4	n/a	
10/11	T&D	Specification			Minor Materials Package (Packager)		Approval	Y	TSE-1, TSE-4	n/a	
10/11	T&D	Specification			T-line Structures and Hardware		Approval	Y	TSE-1, TSE-4	n/a	
	T&D	Specification			<b>Equipment Procurement Specifications</b>		--	--	--		--
	T&D	Standard	015014	6	PG&E - Suspension Type Insulators		Information	Y	TSE-1, TSE-4	Reference Only 7/19	
	T&D	Standard	051742	2	PG&E - Civil Design Standard Tubular Steel Poles		Information	Y	TSE-1, TSE-4	Reference Only 7/19	
	T&D	Standard	068177	8	PG&E - Overhead Transmission Line Design Criteria		Information	Y	TSE-1, TSE-4	Reference Only 7/19	
	T&D	Standard	072115	3	PG&E - Design Criteria Tubular Steel Pole Requirements High Wind		Information	Y	TSE-1, TSE-4	Reference Only 7/19	
	T&D	Standard	073290	2	PG&E - Design Criteria Tubular Steel Pole Requirements		Information	Y	TSE-1, TSE-4	Reference Only 7/19	
	T&D	Standard	470591	2	PG&E - Electrical Clearances for 60kV, 70kV, 115kV and 230kV		Information	Y	TSE-1, TSE-4	Reference Only 7/19	
	T&D	Standard	Eng Std 68	A	PG&E - Engineering Standard No 68		Information	Y	TSE-1, TSE-4	Reference Only 7/19	
	T&D	Drawing			<b>Drawings &amp; Model work</b>		--	--	--		--
	T&D	Drawing			<b>One-Line &amp; Three-Line Diagrams</b>		--	--	--		--
	T&D	Drawing	B-SL001	7	HV Relaying & Metering One-Line Diagram		Issued	Y	TSE-1, TSE-4	R5 approved 9/26/11; R7 approved 11/22/11	
	T&D	Drawing	B-TL001	1	Three Line Diagrams		Issued	Y	TSE-1, TSE-4	rev 0 approved 2/24/12; rev 1 pending 3/5/12	
2/12	T&D	Drawing	B-TL002	A	Three Line Diagrams- VOIDED		Issued	Y	TSE-1, TSE-4	n/a	
2/12	T&D	Drawing	B-OL002	A	Transmission One-Line - VOIDED		Issued	Y	TSE-1, TSE-4, TSE-5	n/a	
	T&D	Drawing			<b>Schematic &amp; Wiring Diagrams</b>		--	--	--		--
10/11	Vendor	Drawing			Protective Relay DC Schematic Diagram		Information			n/a	
	T&D	Drawing	B-CS01	1	Main Breaker DC Control Schematic		Issued		TSE-1, TSE-4	rev 0 Reference Only 2/29/12; Rev 1 pending 3/5/12	
3/12	T&D	Drawing	B-ACS01	0	Relay Potential and Metering AC schematic		Issued		TSE-1, TSE-4	rev 0 pending 3/12/12	
3/12	T&D	Drawing	B-ITC001 sht 1	0	Relay Panel RP-0-01 Interconnection Diagram		Issued	N	--	n/a	
3/12	T&D	Drawing	B-ITC001 sht 2	0	Relay Panel RP-0-01 Interconnection Diagram		Issued	N	--	n/a	
3/12	T&D	Drawing	B-ITC002	0	Circuit Breaker CB230-01 External Connection Diagram		Issued	N	--	n/a	
10/11	Vendor	Drawing			Relay Panel Layouts (Elevation)- Line		Information			n/a	
10/11	Vendor	Drawing			Relay Panel Layouts (Elevation)- Bus		Information			n/a	
	T&D	Drawing			<b>Relay Panel Wiring Diagrams</b>		--	--	--		--
10/11	Vendor	Drawing			Relay Panel Wiring Diagrams- Line		Information			n/a	
10/11	Vendor	Drawing			Relay Panel Wiring Diagrams- Bus		Information			n/a	
10/11	Vendor	Drawing			Relay Panel Wiring Diagrams- Transmission		Information			n/a	
	T&D	Drawing			<b>Interconnect/Termination</b>		--	--	--		--
10/11	Vendor	Drawing			Interconnection Diagrams (Yard Equipment)		Information			n/a	

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

Document: CBO-0001

Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
10/11	Vendor	Drawing			Relay Panel Interconnections		Information			n/a	
10/11	Vendor	Drawing			Termination Sheets (2 shts)		Information			n/a	
	T&D	Drawing			<b>Plans &amp; Sections</b>		--	--	--		--
	T&D	Drawing	B-PP001	A	Switchyard Plan		Approval	Y	TSE-1, TSE-4	Replaced by Distran dwgs	
	T&D	Drawing	B-SS001	A	Elev Looking East sht 1		Information	Y	TSE-1, TSE-4	Replaced by Distran dwgs	
	T&D	Drawing	B-SS002	A	Elev Looking East sht 2		Information	Y	TSE-1, TSE-4	Replaced by Distran dwgs	
	T&D	Drawing	B-SS003	A	Elev Looking North		Information	Y	TSE-1, TSE-4	Replaced by Distran dwgs	
10/11	T&D	Drawing			Underground Raceway- See Electrical Above		Information			n/a	
10/11	T&D	Drawing			Grounding Plan- See Electrical Above		Information	Y	TSE-1, TSE-4	n/a	
	T&D	Drawing			<b>Transmission- Plan and Profile</b>		--	--	--		--
9/11	T&D	Drawing	T-001	0	Drawing Index and Structure Data		Issued	Y	TSE-1, TSE-4, TSE-5	R0 comments 10/28/11; response letter TSE1-1.2 & TSE 4-1.2 approved 2/14/12	
	T&D	Drawing	T-PS012	1	Transmisison Route Plan and Profile sht 1		Issued	Y	TSE-1, TSE-4, TSE-5	R0 Approved 7/18; R1 approved 2/14/12	
	T&D	Drawing	T-PS013	1	Transmisison Route Plan and Profile sht 2		Issued	Y	TSE-1, TSE-4, TSE-5	R0 Approved 7/18; R1 approved 2/14/12	
	T&D	Drawing	T-PS014	1	Transmisison Route Plan and Profile sht 3		Issued	Y	TSE-1, TSE-4, TSE-5	R0 Approved 7/18; R1 approved 2/14/12	
7/11	T&D	Drawing	T-SD001-VOID	B	VOID - Dead End Structure Detail DE-1; replaced by T-SD-01		Issued	Y	TSE-1, TSE-4	VOID	
7/11	T&D	Drawing	T-SD002-VOID	B	VOID - Tangent Structure Detail TA-1; Replaced by T-SD012		Issued	Y	TSE-1, TSE-4	VOID	
7/11	T&D	Drawing	T-SD004-VOID	A	VOID - Double Dead End Structure DDE-1; Replaced by T-SD014		Issued	Y	TSE-1, TSE-4	VOID	
7/11	T&D	Drawing	T-L0007	1	Jumper Configuration Details		Issued	Y	TSE-1, TSE-4	R0 Approved 7/14; R1 approved 2/14/12	
7/11	T&D	Drawing	T-SD005	1	Connection Assembly Details		Issued	Y	TSE-1, TSE-4	R1 Approved 7/14	
7/11	T&D	Drawing	T-SD008	0	Vibration Damper Assembly and Details		Issued	Y	TSE-1, TSE-4	R1 Approved 3/2/12; R0 Approved 7/14	
9/11	T&D	Drawing	T-SD009	0	Fiber Optic Connection Assembly Details		Issued	Y	TSE-1, TSE-4	R0 comments 10/28/11; response letter TSE1-1.2 & TSE 4-1.2 approved 2/14/12	
7/11	T&D	Drawing	T-SD011	1	Dead End Structure Detail DE-1; replaced by T-SD-01		Issued	Y	TSE-1, TSE-4	R0 Approved 7/14; R1 approved 2/14/12	
9/11	T&D	Drawing	T-SD011A	0	Dead End Structure Detail DE-1A		Issued	Y	TSE-1, TSE-4	R0 comments 10/28/11; response letter TSE1-1.2 & TSE 4-1.2 approved 2/14/12	
7/11	T&D	Drawing	T-SD012	1	Tangent Structure Detail TA-1; Replaced by T-SD012		Issued	Y	TSE-1, TSE-4	R0 Approved 7/14; R1 approved 2/14/12	
7/11	T&D	Drawing	T-SD014	1	VOID - Double Dead End Structure DDE-1; Replaced by T-SD014		Issued	Y	TSE-1, TSE-4	R0 Approved 7/14; R1 approved 2/14/12	
2/12	T&D	Drawing		deleted	SCADA / RTU Interface					n/a	
11/11	T&D	Drawing		deleted	Demolition					n/a	
10/11	Vendor	Drawing			Raceway Details					n/a	
10/11	Vendor	Drawing			T&D Miscellaneous Details					n/a	
10/11	Vendor	Drawing			Standard/Typical Details					n/a	
10/11	Vendor	Drawing			T&D Grounding Details- See Electrical Above			Y	TSE-1, TSE-4	n/a	
	T&D	Drawing			<b>Switchyard and T-Line Structural</b>		--	--	--		--
	T&D	Drawing			<b>Foundations</b>		--	--	--		--
7/11	T&D	Drawing	T-FD001	2	Transmission Structure Drilled Pier Foundation Section & Detail		Issued	Y	Struc-1, TSE-1, TSE-4	R2 Approved 7/27/11	
10/11	T&D	Drawing	B-FD001	1	Switchyard Foundation Location Plan		Issued	Y	TSE-1, TSE-4	Rev 0 comments 11/7/11; Rev 0 Approved 11/11/11 & 11/29/11; Rev 1 pending 2/7/12	
10/11	T&D	Drawing	B-FD002	1	Switchyard Drilled Pier Foundation Sections & Details		Issued	Y	TSE-1, TSE-4	Rev 0 comments 11/7/11; Rev 1 Approved 11/11/11 & 11/29/11	
2/12	T&D	Drawing	B-FD003	0	Deadend Support Steel and Foundation Plan, Section & Details		Issued	Y	TSE-1, TSE-4		
10/11	T&D	Drawing	Vendor	Deleted	Tangent Tower		Information	Y	Struc-1, TSE-1, TSE-4		
10/11	T&D	Drawing	Vendor	Deleted	CCVT		Information	Y	Struc-1, TSE-1, TSE-4		
10/11	T&D	Drawing	Vendor	Deleted	Arrester		Information	Y	Struc-1, TSE-1, TSE-4		
10/11	T&D	Drawing	Vendor	Deleted	Breaker		Information	Y	Struc-1, TSE-1, TSE-4		
10/11	T&D	Drawing	Vendor	Deleted	High Switch		Information	Y	Struc-1, TSE-1, TSE-4		
10/11	T&D	Drawing	Vendor	Deleted	High Bus		Information	Y	Struc-1, TSE-1, TSE-4		

**Mariposa Project 415059**  
**CH2M Hill Engineers Inc.**  
**Schedule, Master Drawings Specifications List (GEN-2)**

Issue Date: 3/3/12

Document: CBO-0001

Rev	Discipline	Type	Document Number	Rev	Document Description	Target Date	MEL Submittal	CBO Submittal Req'd	C of C reference	BV Status	BVnet Ref
10/11	T&D	Drawing	Vendor	Deleted	High Bus Single		Information	Y	Struc-1, TSE-1, TSE-4		
10/11	T&D	Drawing	Vendor	Deleted	Bus Duct		Information	Y	Struc-1, TSE-1, TSE-4		
	T&D	Drawing			Structures		--	--	--		--
	T&D	Drawing	Vendor		CCVT Support Switchyard support structures dwgs and calcs by Distran		Information	Y	Struc-1, TSE-4	TSE-4 package pending 11/2/11	
10/11	T&D	Drawing	Vendor		Low Bus Support		Information	Y	Struc-1, TSE-1, TSE-4	n/a	
10/11	T&D	Drawing	Vendor		Low Switch Support		Information	Y	Struc-1, TSE-1, TSE-4	n/a	
10/11	T&D	Drawing	Vendor		Arrester Supports		Information	Y	Struc-1, TSE-1, TSE-4	n/a	
10/11	T&D	Drawing	Vendor		High Switch Support		Information	Y	Struc-1, TSE-1, TSE-4	n/a	
10/11	T&D	Drawing	Vendor		High Bus Support		Information	Y	Struc-1, TSE-1, TSE-4	n/a	
10/11	T&D	Drawing	Vendor		High Bus Single Support		Information	Y	Struc-1, TSE-1, TSE-4	n/a	
10/11	T&D	Drawing	Vendor		Bus Duct Supports		Information	Y	Struc-1, TSE-1, TSE-4	n/a	
	T&D	Study/Calc			<b>Studies , Calculations and Analysis</b>		--	--	--		--
	T&D	Study/Calc	TD-DC1	1	Transmission Line Material Design Criteria		Issued	Y	TSE-5	Approved	
			memo 4/8/11	-	Transmission Line Design Memo to Fabricator		Issued	Y	TSE-4	Approved 7/19	
1/2	T&D	Study/Calc		deleted	Load / Ampacity Calculation		Information	Y	Elec-1, TSE-4	n/a	
	T&D	Study/Calc			Protective Device Setting: Differential		Information	Y	Elec-1, TSE-4		
	Vendor	Study/Calc	Vendor		T-line Structure Loading Trees		Information	Y	Elec-1, TSE-4	submitted	
5/11	T&D	Study/Calc	STR #1 - #8, LCA	-	Sag-10		Information	Y	Elec-1, TSE-4	Approved 7/19	
6/11	T&D	Calc	TC-01	2	Transmisison Line Foundation Calculation		Issued	Y	Struc-1, TSE-4	R2 Approved 7/27/11 & 2/14/12 Rev 0 comments 11/7/11; Rev 0 Approved 11/11/11 & 11/29/11	
11/11	T&D	Calc	TC-02	0	Switchyard Foundation Calculation		Issued	Y	Struc-1, TSE-4		
	T&D	List			<b>Lists / Schedules</b>		--	--	--		--
10/11	T&D	List			Cable Schedule - See Electrical Above		Y	Elec-1, TSE-4		n/a	
10/11	T&D	List			Raceway Schedule - See Electrical Above		Y	Elec-1, TSE-4		n/a	
<b>T&amp;D Subcontractor's &amp; Vendors</b>											



**STRUC-1**

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LG Constructors, Inc.

Transmittal No.: 01839

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 08-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M Hill BOP Steel Drawing and Calc

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
APP - Approval	FAB - Fabrication	RF - Reference	SU - Superseded
ASB - As Built	I- Information	R - Review	V - Void
B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Kelly Banta

(E) kelly.banta@ch2m.com  
(O)

Transmitted For: Jeff Nobe

### Comments:

BVNA: Comments & Documents are due in 15 business days of transmittal date.  
STRUC-1-34.0X2 - MEP 415059 BOP Steel Drawings and Calc - PC1

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents. This can be done by fax, email, or personally delivered response. Please respond within 5 business days of the transmittal date of this document. Confirmations not received within 5 business days will be considered as receipt in full of documents on transmittal. Be advised that documents posted to SharePoint will be deleted after 14 days of issue. By signing below I hereby acknowledge:

☐ Receipt of all documents as identified in this transmittal letter.

☐ Exceptions to documents received as transmitted in this transmittal letter. Missing documents are identified on this returned transmittal. We ask for these documents to be retransmitted to our firm.

Acknowledgement provided by: \_\_\_\_\_

Received Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Document No.:	Rev No.:	Description:	Designer:	Code:
415059-SS-02	1	Title: Miscellaneous Pipe Support STAMPED (415059-SS-02), Revision: Renamed TS9, added TS10 and TS11 (1, Feb 1, 2012)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01839

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 08-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
S-S1015	0	Title: Misc Supports Elevations, Sections, & Details (S-S1015), Revision: Issued for Construction (0, Feb 2, 2012)	LG Constructors, Inc.	A-Approval

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn Bureau Veritas North America, Inc.	1	James Spicer Mariposa Energy, LLC	E
MEP Pwr Gp Mailbox LG Constructors, Inc.	E	Les Mathine LG Constructors, Inc.	E
Jeff Nobe LG Constructors, Inc.	E		

*The transmittal state of electronic documents is as accompanies this transmittal. Subsequent modifications made by others to the electronic copy of these documents are not the responsibility of LG Constructors, Inc.*

*Only signed/sealed hardcopies are to be used for permit, construction or purchase, unless otherwise noted on this transmittal.*

-- END --

LG Constructors, Inc.

Transmittal No.: 01936

9189 South Jamaica Street  
Englewood, CO 80112

Date: 22-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL House Keeping Pads Calc & Drawing  
with CBO Comment Response Letter & Vendor Dc

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
APP - Approval	FAB - Fabrication	RF - Reference	SU - Superseded
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B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Mary-Lou Lane

Transmitted For: Jeff Nobe, CH2M HILL

(E) Mary-Lou.Lane@CH2M.com  
(O) 720-286-1575

### Comments:

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STRUC-1-36.0 - MEP 415059 House Keeping Pads Foundation Plan - PC2

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Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Item No.	Copies	Date	Number	Rev No.	Description	Status
					CBO Comment Response Letter Struct-1-36.0 021312	Approval

Document No.:	Rev No.:	Description:	Designer:	Code:
415059-SC-30	1	Title: Miscellaneous Housekeeping Pads STAMPED (415059-SC-30), Revision: Incorporated CBO Comments (1, Feb 24, 2012)	LG Constructors, Inc.	A-Approval
S-C1035	1	Title: Tank and Pumps Housekeeping Pads Plan and Sections STAMPED (S-C1035), Revision: Revised Section Callout, Added 2 (1, Feb 20, 2012)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01936

9189 South Jamaica Street  
Englewood, CO 80112

Date: 22-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
TIE-DOWN ASSEMBLIES	-	Title: Tie-Dow Assemblies (TIE-DOWN ASSEMBLIES), Revision: Issued for Information (-, Feb 21, 2012)	US Water Services, Inc.	I - For Information Only

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn Bureau Veritas North America, Inc.	1	James Spicer Mariposa Energy, LLC	E
Jeff Nobe LG Constructors, Inc.	E	Les Mathine LG Constructors, Inc.	E
MEP Pwr Gp Mailbox LG Constructors, Inc.	E		

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LG Constructors, Inc.

Transmittal No.: 01778

9189 South Jamaica Street  
Englewood, CO 80112

Date: 02-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Standard Pipe Supports Calc and  
CBO Comment Response Letter

<b>Document Codes:</b>	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
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B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Mary-Lou Lane

Transmitted For: Jeff Nobe, CH2M HILL

(E) Mary-Lou.Lane@CH2M.com  
(O) 720-286-1575

### Comments:

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MECH-1-19.0 AG Pipe Supports - PC2

NOTE: The CBO Comment Response Letter included with this transmittal refers to DCN-010 which will be uploaded to BVnet under the submittal title 'DCN - 010' after this submittal.

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Acknowledgement provided by: \_\_\_\_\_

Received Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_



LG Constructors, Inc.

Transmittal No.: 01778

9189 South Jamaica Street  
Englewood, CO 80112

Date: 02-Feb-12

Item No.	Copies	Date	Number	Rev No.	Description	Status
					CBO Mech-1-19 PC1 Comment Response Letter 18 Jan12	Approval

Document No.:	Rev No.:	Description:	Designer:	Code:
415059-SS-04	0	Title: Design the Standard Pipe Supports STAMPED (415059-SS-04), Revision: Issue for Construction (0, Jan 5, 2012)	LG Constructors, Inc.	A-Approval
AG PIPING SUPPORT DETAILS SET-01	2	Title: Aboveground Piping Support Details STAMPED (AG PIPING SUPPORT DETAILS SET-01), Revision: Issued for Construction (2, Nov 29, 2011)	LG Constructors, Inc.	C - Construction

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn	Bureau Veritas North America, Inc. 1	James Spicer	Mariposa Energy, LLC E
Les Mathine	LG Constructors, Inc. E	Jeff Nobe	LG Constructors, Inc. E
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**Pacific Gas and  
Electric Company™**

# TRANSMITTAL

<b>TO</b> Bureau Veritas	<b>DATE</b> 2/2/12
	<b>PROJECT</b> Mariposa Energy Center
	<b>JOB #</b>
<b>ATTN</b>	<b>VIA</b> FTP / Web Post

TRANSMITTAL SUBJECT	TRANSMITTAL DESCRIPTION
CBO Package: MECH-1-16.0.1 - PG&E Gas Service Pipeline	Revision 1 of Gas Service Pipeline - Plan & Profile Drawings

COPIES	DOCUMENT #	REVISION #	DOCUMENT DESCRIPTION
1	30767919s1r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 1
1	30767919s2r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 2
1	30767919s3r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 3
1	30767919s4r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 4
1	30767919s5r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 5
1	30767919s6r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 6
1	30767919s7r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 7
1	30767919s8r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 8
1	30767919s9r1.pdf	1	Gas Service Pipeline, Plan & Profile, sheet 9
1	30767919r1.pdf	0	List of changes in Revision 1

<b>FROM</b> Tim Scheele
PG&E, Gas Transmission
925-974-4129
tws4@pge.com



LG Constructors, Inc.

Transmittal No.: 01824

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 07-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Transmission Drawings

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
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ASB - As Built	I- Information	R - Review	V - Void
B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Lisa Gilkes

(E) lisa.gilkes@ch2m.com  
(O)

Transmitted For: Jeff Nobe

### Comments:

BVNA: Comments on Documents are due in 15 business days of the transmittal date.

TSE-4-1.0X1 - MEP 415059 CH2M HILL T-Line Docs IFR - PC2

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		2/3/2012			CBO Comment Response Letter TSE-4-1.0X1 - MEP 415059 CH2M HILL T-Line Docs	New Item

Document No.:	Rev No.:	Description:	Designer:	Code:
T-PS012	1	Title: Transmission Route Plan And Profile Sht 1 Of 3 STAMPED (T-PS012), Revision: OPGW To ADSS Transition and Phasing (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval
T-PS013	1	Title: Transmission Route Plan And Profile Sht 2 Of 3 STAMPED (T-PS013), Revision: OPGW to ADSS and Phasing Changed (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01824

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 07-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
T-PS014	1	Title: Transmission Route Plan And Profile Sht 3 Of 3 STAMPED (T-PS014), Revision: OPGW To ADSS and Phasing Changed (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn	Bureau Veritas North America, Inc. 1	James Spicer	Mariposa Energy, LLC E
Les Mathine	LG Constructors, Inc. E	MEP Pwr Gp Mailbox	LG Constructors, Inc. E
Jeff Nobe	LG Constructors, Inc. E		

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LG Constructors, Inc.

Transmittal No.: 01815

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 06-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Transmission Drawings

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ASB - As Built	I- Information	R - Review	V - Void
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B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Lisa Gilkes

Transmitted For: Jeff Nobe

(E) lisa.gilkes@ch2m.com  
(O)

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TSE-4-1.2 - MEP 415059 Transmission Drawings - PC2

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		2/3/2012			CBO Comment Response Letter TSE-4-1.1 - MEP 415059 Transmission Drawings	New Item

Document No.:	Rev No.:	Description:	Designer:	Code:
DIS-TRAN STRUCTURAL CALCULATIONS	1-	Title: Transmission Line Pole Structures STAMPED (DIS-TRAN STRUCTURAL CALCULATIONS), Revision: Certified for File & Field Use (1-, Jan 26, 2012)	Dis-Tran T-Line Towers (2300-032)	R - Review
T-001	0	Title: Drawing Index and Structure Data STAMPED (T-001), Revision: Issued for Construction (0, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01815

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 06-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
T-SD009	0	Title: Fiber Optic Connection Assembly Details STAMPED (T-SD009), Revision: Issued for Construction (0, Aug 25, 2011)	LG Constructors, Inc.	A-Approval
T-SD011A	0	Title: Dead End Structure Detail DE-1A Stamped (T-SD011A), Revision: Issued for Construction (0, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

Copy To:			Copy To:		
Qty:			Qty:		
Shamica Zenn	Bureau Veritas North America, Inc.	1	James Spicer	Mariposa Energy, LLC	E
MEP Pwr Gp Mailbox	LG Constructors, Inc.	E	Les Mathine	LG Constructors, Inc.	E
Jeff Nobe	LG Constructors, Inc.	E			

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LG Constructors, Inc.

Transmittal No.: 01760

9189 South Jamaica Street  
Englewood, CO 80112

Date: 30-Jan-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

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REF: ISSUED FOR APPROVAL  
CH2M HILL T-Line Structure Grounding Details

<b>Document Codes:</b>	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
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ASB - As Built	I- Information	R - Review	V - Void
B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Mary-Lou Lane

Transmitted For: Jeff Nobe

(E) Mary-Lou.Lane@CH2M.com  
(O) 720-286-1575

### Comments:

BVNA: Comments on the document/s listed on this transmittal is/are due in 15 business days of this transmittal date.  
TSE-4-10.0 - MEP 415059 T-Line Struc Gnding Details -PC1

NOTE: See BVNA Submittal Title 'DCN - 011 - MEP 415059 Additional Installation and Testing Instruction Notes -PC1' for DCN related to the document listed on this transmittal.

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Phone: \_\_\_\_\_

Email: \_\_\_\_\_

LG Constructors, Inc.

Transmittal No.: 01760

9189 South Jamaica Street  
Englewood, CO 80112

Date: 30-Jan-12

Document No.:	Rev No.:	Description:	Designer:	Code:
T-SD006	0	Title: Structure Grounding Details STAMPED (T-SD006), Revision: Issued for Approval (0, Jan 30, 2012)	LG Constructors, Inc.	A-Approval

Copy To:			Qty:			Copy To:			Qty:		
Shamica Zenn	Bureau Veritas North America, Inc.	1				James Spicer	Mariposa Energy, LLC	E			
Jeff Nobe	LG Constructors, Inc.	E				Les Mathine	LG Constructors, Inc.	E			
MEP Pwr Gp Mailbox	LG Constructors, Inc.	E									

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Transmittal No.: 01820

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 07-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Transmission Drawings

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
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ASB - As Built	I- Information	R - Review	V - Void
B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Lisa Gilkes

Transmitted For: Jeff Nobe

(E) lisa.gilkes@ch2m.com  
(O)

### Comments:

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TSE-4-1.1 - MEP 415059 Transmission Drawings - PC2

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Received Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

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		2/3/2012			CBO Comment Response Letter TSE-4-1.1 - MEP 415059 Transmission Drawings	New Item

Document No.:	Rev No.:	Description:	Designer:	Code:
DIS-TRAN STRUCTURAL CALCULATIONS	1	Title: Transmission Line Pole Structures STAMPED (DIS-TRAN STRUCTURAL CALCULATIONS), Revision: Issued for Information (1, Apr 28, 2011)	Dis-Tran T-Line Towers (2300-032)	I - For Information Only
T-L0007	1	Title: Jumper Configuration Details STAMPED (T-L0007), Revision: Jump-4 Removed From STR. #8 (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01820

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 07-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
T-PS012	1	Title: Transmission Route Plan And Profile Sht 1 Of 3 STAMPED (T-PS012), Revision: OPGW To ADSS Transition and Phasing (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval
T-PS014	1	Title: Transmission Route Plan And Profile Sht 3 Of 3 STAMPED (T-PS014), Revision: OPGW To ADSS and Phasing Changed (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval
T-SD011	1	Title: Dead End Structure Detail DE-1 Stamped (T-SD011), Revision: Structure 8 Modified and Moved (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn	Bureau Veritas North America, Inc. 1	James Spicer	Mariposa Energy, LLC E
Jeff Nobe	LG Constructors, Inc. E	MEP Pwr Gp Mailbox	LG Constructors, Inc. E
Les Mathine	LG Constructors, Inc. E		

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LG Constructors, Inc.

Transmittal No.: 01832

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 08-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Dead-end Structural Modification

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
APP - Approval	FAB - Fabrication	RF - Reference	SU - Superseded
ASB - As Built	I- Information	R - Review	V - Void
B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Lisa Gilkes

(E) lisa.gilkes@ch2m.com  
(O)

Transmitted For: Jeff Nobe

### Comments:

BVNA: Comments on Documents are due in 15 business days of the transmittal date.

TSE-4-11.0 - MEP 415059 Dead End Structure Calc and Drawings -PC1

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Acknowledgement provided by: \_\_\_\_\_

Received Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Document No.:	Rev No.:	Description:	Designer:	Code:
415059-SC-31	0	Title: Dead-end Structure Brace Foundation STAMPED (415059-SC-31), Revision: Initial Issue (0, Feb 3, 2012)	LG Constructors, Inc.	A-Approval
B-FD001	1	Title: Switchyard Foundation Location Plan & Details STAMPED (B-FD001), Revision: Added Foundation and Reissued for C (1, Feb 7, 2012)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01832

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 08-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
B-FD003	0	Title: Deadend Support Steel and Foundation Plan, Section, and Details STAMPED (B-FD003), Revision: Issued for Construction (0, Feb 7, 2012)	LG Constructors, Inc.	A-Approval

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn	Bureau Veritas North America, Inc. 1	James Spicer	Mariposa Energy, LLC E
Les Mathine	LG Constructors, Inc. E	MEP Pwr Gp Mailbox	LG Constructors, Inc. E
Jeff Nobe	LG Constructors, Inc. E		

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LG Constructors, Inc.

Transmittal No.: 01824

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 07-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Transmission Drawings

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
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B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Lisa Gilkes

(E) lisa.gilkes@ch2m.com  
(O)

Transmitted For: Jeff Nobe

### Comments:

BVNA: Comments on Documents are due in 15 business days of the transmittal date.

TSE-4-1.0X1 - MEP 415059 CH2M HILL T-Line Docs IFR - PC2

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Item No.	Copies	Date	Number	Rev No.	Description	Status
		2/3/2012			CBO Comment Response Letter TSE-4-1.0X1 - MEP 415059 CH2M HILL T-Line Docs	New Item

Document No.:	Rev No.:	Description:	Designer:	Code:
T-PS012	1	Title: Transmission Route Plan And Profile Sht 1 Of 3 STAMPED (T-PS012), Revision: OPGW To ADSS Transition and Phasing (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval
T-PS013	1	Title: Transmission Route Plan And Profile Sht 2 Of 3 STAMPED (T-PS013), Revision: OPGW to ADSS and Phasing Changed (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01824

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 07-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
T-PS014	1	Title: Transmission Route Plan And Profile Sht 3 Of 3 STAMPED (T-PS014), Revision: OPGW To ADSS and Phasing Changed (1, Aug 25, 2011)	LG Constructors, Inc.	A-Approval

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn	Bureau Veritas North America, Inc. 1	James Spicer	Mariposa Energy, LLC E
Les Mathine	LG Constructors, Inc. E	MEP Pwr Gp Mailbox	LG Constructors, Inc. E
Jeff Nobe	LG Constructors, Inc. E		

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-- END --

LG Constructors, Inc.

Transmittal No.: 01882

9189 South Jamaica Street  
Englewood, CO 80112

Date: 14-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

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REF: ISSUED FOR APPROVAL  
Dis-Tran Docs for CBO Review

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C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Mary-Lou Lane

Transmitted For: Jeff Nobe, CH2M HILL

(E) Mary-Lou.Lane@CH2M.com  
(O) 720-286-1575

### Comments:

BVNA: Comments on the document/s listed on this transmittal is/are due in 15 business days of this transmittal date.  
TSE-4-7.0 - MEP 415059 DIS-TRAN Switchyard Documents -PC2  
Per Jeff Nobe, please expedite the review of these documents.

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Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Item No.	Copies	Date	Number	Rev No.	Description	Status
					T-D CBO Response Letter_TSE-4-7.0	Approval
					Title: DIS-TRAN Structural Calculations (Document Number: 4497 STR Calcs), Revision: Added Braces to Str. A (Revision 5, Feb 8, 2012)	Review

LG Constructors, Inc.

**Transmittal No.:** 018829189 South Jamaica Street  
Englewood, CO 80112**Date:** 14-Feb-12

Item No.	Copies	Date	Number	Rev No.	Description	Status
Title: Structural Modifications to Str. A (Document Number: 601a), Revision: Issued for Review (Revision 0, Feb 10, 2012)						Review
Document No.:	Rev No.:	Description:			Designer:	Code:
32-408-001 SHT 1	A	Title: Single Pole Assy Detail (32-408-001 SHT 1), Revision: Issued for Review (A, Jun 22, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
32-408-001 SHT 2	B	Title: Plan View (32-408-001 SHT 2), Revision: for Record (B, Oct 31, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
32-408-001 SHT 3	B	Title: Elevation View (32-408-001 SHT 3), Revision: for Record (B, Oct 31, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
4497 POLE CALCS	-1	Title: Structural Calculations for Static Mast (4497 POLE CALCS), Revision: for Record (-1, Oct 27, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
4497 S1	0	Title: Structural Notes Stamped (4497 S1), Revision: for Record (0, Oct 25, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
4497 STR CALCS	4	Title: Dis-Tran Struct. Design Calcs Stamped (4497 STR CALCS), Revision: Revised for New Equipment (4, Oct 24, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
601	5	Title: Erection Elevations Stamped (601 ), Revision: Added Braces to A-Frame (5, Feb 9, 2012)			Dis-Tran Subst Materials (2300-031)	R - Review
602X	1	Title: Erection Elevations Stamped (602X), Revision: Revised per Check Prints (1, Sep 29, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
701	2	Title: 230kv 1-Bay A-Frame Deadend / (1) Str. - A Column - c1/Misc. Material Stamped (701), Revision: Revised Dim's (2, Oct 25, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
702	1	Title: 230KV 1-Bay A-Frame Deadend / (1) Str - A Column Extension - CEI / Misc. Material Stamped (702), Revision: Revised per Check Prints (1, Oct 10, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
703	2	Title: 230KV 1-Bay A-Frame Deadend / (1) Str - A Struts - S1, S2, S3, S4, S5, S6 & S7 / Knee Brace - KBI Stamped (703), Revision: Revised per Check Prints (2, Oct 26, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
704	1	Title: 230KV 1-Bay A-Frame Deadend / (1) Str - A Tube - St1 / Peak - KPK1 / Misc. Material Stamped (704), Revision: Revised per Check Prints (1, Oct 11, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
705	1	Title: 230KV 1-Bay A-Frame Deadend / (1) Str - A Tube - ST2 Stamped (705), Revision: Revised per Check Prints (1, Oct 11, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
706	1	Title: 230KV 3Ø L.A. Support Stand / (1) STR. - B Column - C1 /Equipment Support - ES1 Stamped (706), Revision: Revised per Check Prints (1, Sep 28, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
707	1	Title: 230KV 3Ø Switch Support Stand / (6) STR. - C Column - C1 & C2/Switch Frame - SFI/ Misc. Material Stamped (707), Revision: Revised per Check Prints (1, Sep 28, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
708	1	Title: 230KV 3Ø Bus Support Stand / (26) STR. - D Column - C1 /Bus Support - BS1 Stamped (708), Revision: Revised per Check Print (1, Sep 28, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
709	1	Title: 230KV 3Ø C.T./P.T. Combination Stand/(1) STR. - F Column - C1/Equipment Support - ES1 Stamped (709), Revision: Revised per Check Prints (1, Sep 29, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
710	1	Title: 230KV 3Ø Bus Support Stand / (8) STR. - G Column - C1 /Bus Support - BS1 Stamped (710), Revision: Revised per Check Print (1, Sep 29, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review
711X	3	Title: 230KV 3Ø C.C.V.T. Support Stand / (1) STR. - H Column - C1 /Equipment Support - ES1 Stamped (711X), Revision: Revised per Check Prints (3, Oct 26, 2011)			Dis-Tran Subst Materials (2300-031)	R - Review

LG Constructors, Inc.

Transmittal No.: 01882

9189 South Jamaica Street  
Englewood, CO 80112

Date: 14-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
72481050417 SHT 1	01-	Title: Elementary Diagram (72481050417 SHT 1), Revision: Certified Print (01-, Oct 21, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
72481050417 SHT 2	01-	Title: Elementary Diagram (72481050417 SHT 2), Revision: Certified Print (01-, Oct 21, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
72481050417 SHT 3	01-	Title: Elementary Diagram (72481050417 SHT 3), Revision: Certified Print (01-, Oct 21, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
72481050417 SHT 4	01-	Title: Connection Diagram (72481050417 SHT 4), Revision: Certified Print (01-, Oct 21, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
E01X	0-	Title: 110' Lightning Mast Structure Item 1 Erection Elev Stamped (E01X), Revision: for Record (0-, May 25, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
E201	-2	Title: Plan View Stamped (E201), Revision: Final (-2, Oct 27, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
E202	4	Title: Section A Stamped (E202), Revision: Added Terminal (4, Sep 14, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
E203X	5	Title: Section B, C, D, E & F Stamped (E203X), Revision: Revised CCVT Stand (5, Oct 11, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
E400	-1	Title: Static Plan View Stamped (E400), Revision: Final (-1, Oct 27, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
S301	-2	Title: Anchor Bolt Plan View Stamped (S301), Revision: Final (-2, Oct 27, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review
S302X	-1	Title: Anchor Bolt Details Stamped (S302X), Revision: Final (-1, Oct 27, 2011)	Dis-Tran Subst Materials (2300-031)	R - Review

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn Bureau Veritas North America, Inc.	1	James Spicer Mariposa Energy, LLC	E
Jeff Nobe LG Constructors, Inc.	E	Les Mathine LG Constructors, Inc.	E
MEP Pwr Gp Mailbox LG Constructors, Inc.	E		

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LG Constructors, Inc.

Transmittal No.: 01768

9189 South Jamaica Street  
Englewood, CO 80112

Date: 31-Jan-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR REFERENCE  
CH2M HILL Electrical Aboveground Plans

<b>Document Codes:</b>	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
APP - Approval	FAB - Fabrication	RF - Reference	SU - Superseded
ASB - As Built	I- Information	R - Review	V - Void
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B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Mary-Lou Lane

Transmitted For: Jeff Nobe, CH2M HILL

(E) Mary-Lou.Lane@CH2M.com  
(O) 720-286-1575

### Comments:

BVNA: Comments on the document/s listed on this transmittal is/are due in 15 business days of this transmittal date.  
ELEC-1-16.0X1 - MEP 415059 Electrical Above Ground Drawings - PC1

NOTE: Previous revisions of the documents listed on this transmittal were reviewed and statused as REFERENCE by BVNA (ELEC-1-16.0). Therefore, these documents are submitted as ISSUED FOR REFERENCE.

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LG Constructors, Inc.

Transmittal No.: 01768

9189 South Jamaica Street  
Englewood, CO 80112

Date: 31-Jan-12

Item No.	Copies	Date	Number	Rev No.	Description	Status
					Title: Electrical Grounding Key Plan STAMPED (Drawing E-K0012), Revision: REVISED FOR CONSTRUCTION (Revision 1, Nov 30, 2011)	Approval

Document No.:	Rev No.:	Description:	Designer:	Code:
E-P6106	1	Title: Electrical Above Ground Plan STAMPED (E-P6106), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6107	1	Title: Electrical Above Ground Plan STAMPED (E-P6107), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6109	1	Title: Electrical Above Ground Plan STAMPED (E-P6109), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6113	1	Title: Electrical Above Ground Plan STAMPED (E-P6113), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6118	1	Title: Electrical Above Ground Plan STAMPED (E-P6118), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6119	1	Title: Electrical Above Ground Plan STAMPED (E-P6119), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6121	1	Title: Electrical Above Ground Plan STAMPED (E-P6121), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6124	1	Title: Electrical Above Ground Plan STAMPED (E-P6124), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6126	1	Title: Electrical Above Ground Plan STAMPED (E-P6126), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6127	1	Title: Electrical Above Ground Plan STAMPED (E-P6127), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6129	1	Title: Electrical Above Ground Plan STAMPED (E-P6129), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6130	1	Title: Electrical Above Ground Plan STAMPED (E-P6130), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction
E-P6131	1	Title: Electrical Above Ground Plan STAMPED (E-P6131), Revision: LG Constructors, Inc. REVISED AS NOTED (1, Jan 16, 2012)		C - Construction

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Jeff Nobe	LG Constructors, Inc. E	MEP Pwr Gp Mailbox	LG Constructors, Inc. E
Les Mathine	LG Constructors, Inc. E		

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LG Constructors, Inc.

Transmittal No.: 01902

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 16-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Electrical Calc Sheets

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FAB - Fabrication		
I- Information		
PE - Permit		
P - Proceed		
PU - Purchase		

Transmitted By: Kelly Banta

(E) kelly.banta@ch2m.com  
(O)

Transmitted For: Jeff Nobe

**Comments:**

BVNA: Comments & Documents are due in 15 business days of transmittal date.  
ELEC-1-18.0X1 - MEP 415059 Electrical Calc Sheets - PC1

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Received Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

LG Constructors, Inc.

Transmittal No.: 01902

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 16-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
EE-006	1	Title: Arc Flash Analysis STAMPED (EE-006), Revision: Issued for Construction (1, Dec 27, 2011)	LG Constructors, Inc.	A-Approval

Copy To:	Qty:	Copy To:	Qty:
Shamica Zenn Bureau Veritas North America, Inc.	1	James Spicer Mariposa Energy, LLC	E
MEP Pwr Gp Mailbox LG Constructors, Inc.	E	Jeff Nobe LG Constructors, Inc.	E
Les Mathine LG Constructors, Inc.	E		

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LG Constructors, Inc.

Transmittal No.: 01883

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 14-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Electrical Drawings

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C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Lisa Gilkes

(E) lisa.gilkes@ch2m.com  
(O)

Transmitted For: Jeff Nobe

### Comments:

BVNA: Comments on Documents are due in 15 business days of the transmittal date.

ELEC-1-19.0 - MEP 415059 Electrical Drawings - PC2

Jeff Nobe is requesting to remove the Conditional Approval on E-W1645 and Approve E-W1644.

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Acknowledgement provided by: \_\_\_\_\_

Received Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Document No.:	Rev No.:	Description:	Designer:	Code:
E-W1644	0	Title: ESD System Schematic, Sht. 1 CP-ESD-0-01 Control Room Pushbutton Turret STAMPED (E-W1644), Revision: Issued for Construction (0, Feb 10, 2012)	LG Constructors, Inc.	C - Construction

LG Constructors, Inc.

Transmittal No.: 01883

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 14-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
E-W1645	0	Title: ESD System Schematic, Sht. 2 CP-ESD-0-01 Control Room Pushbutton Turret STAMPED (E-W1645), Revision: Issued for Construction (0, Feb 10, 2012)	LG Constructors, Inc.	C - Construction

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MEP Pwr Gp Mailbox	LG Constructors, Inc. E	Jeff Nobe	LG Constructors, Inc. E
Les Mathine	LG Constructors, Inc. E		

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LG Constructors, Inc.

Transmittal No.: 01801

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 02-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Electrical Specs

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
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B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Lisa Gilkes

(E) lisa.gilkes@ch2m.com  
(O)

Transmitted For: Jeff Nobe

### Comments:

BVNA: Comments on Documents are due in 15 business days of the transmittal date.  
ELEC-1-23.0 - MEP 415059 Electrical Specs - PC1

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Document No.:	Rev No.:	Description:	Designer:	Code:
260504	1	Title: Electrical Requirements for Packaged Mechanical Equipment STAMPED (260504), Revision: Client Comments (1, Feb 16, 2011)	LG Constructors, Inc.	A-Approval
260505	1	Title: Low Voltage AC Induction Motors (260505), Revision: Issued for Approval (1, Feb 16, 2011)	LG Constructors, Inc.	A-Approval
260507	0	Title: Medium Voltage AC Induction Motors (260507), Revision: Issued for Bid (0, Jan 11, 2011)	LG Constructors, Inc.	A-Approval
261213	1	Title: Unit Auxiliary Power Transformers STAMPED (261213), Revision: Revised for Oil Type (1, Apr 15, 2011)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01801

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 02-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
261213.01	0	Title: Station Service Power Transformers STAMPED (261213.01), Revision: Issued for Bid (0, Jan 28, 2011)	LG Constructors, Inc.	A-Approval
261300	1	Title: Medium Voltage Metal-Clad Switchgear STAMPED (261300), Revision: Issued for Purchase (1, May 16, 2011)	LG Constructors, Inc.	A-Approval
262300	1	Title: Low Voltage Metal Enclosed Switchgear STAMPED (262300), Revision: Issued for Purchase (1, May 16, 2011)	LG Constructors, Inc.	A-Approval
262418	B	Title: Protective Relay Panels STAMPED (262418), Revision: Issued for Bid (B, Oct 7, 2011)	LG Constructors, Inc.	A-Approval
262419	1	Title: Low Voltage Motor Control Centers STAMPED (262419), Revision: Issued for Purchase (1, May 16, 2011)	LG Constructors, Inc.	A-Approval
262502	1	Title: Non-Segregated Phase Bus Duct STAMPED (262502), Revision: Issued for Purchase (1, May 16, 2011)	LG Constructors, Inc.	A-Approval
262600	1	Title: Power Distribution Centers STAMPED (262600), Revision: Issued for Purchase (1, May 16, 2011)	LG Constructors, Inc.	A-Approval
263355	0	Title: DC and UPS AC Power Supply Systems STAMPED (263355), Revision: Issued for Construction (0, Aug 30, 2011)	LG Constructors, Inc.	A-Approval
283100	B	Title: Fire Detection and Alarm System STAMPED (283100), Revision: Issue for bid (B, Jun 27, 2011)	LG Constructors, Inc.	A-Approval

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MEP Pwr Gp Mailbox LG Constructors, Inc.	E	Jeff Nobe LG Constructors, Inc.	E
Les Mathine LG Constructors, Inc.	E		

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LG Constructors, Inc.

Transmittal No.: 01875

9189 South Jamaica Street  
Englewood, CO 80112

Date: 13-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M HILL Non-Seg Bus Layout and  
Syncrocloser Wiring Diagrams

Document Codes:	D- Design	RD - Record	RDNP - Revise & Resubmit, Do Not Proceed
APP - Approval	FAB - Fabrication	RF - Reference	SU - Superseded
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B-Bid	PE - Permit	RWC - Reviewed with Comments	X - Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments	
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted	

Transmitted By: Mary-Lou Lane

Transmitted For: Jeff Nobe, CH2M HILL

(E) Mary-Lou.Lane@CH2M.com  
(O) 720-286-1575

### Comments:

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ELEC-1-24.0 - MEP 415059 Electrical Non-Seg and Syncrocloser Dwgs - PC1

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Document No.:	Rev No.:	Description:	Designer:	Code:
E-P6032	0	Title: Non-Seg Bus Layout at MV Breaker STAMPED (E-P6032), Revision: Issued for Construction (0, Feb 10, 2012)	LG Constructors, Inc.	A-Approval

LG Constructors, Inc.

Transmittal No.: 01875

9189 South Jamaica Street  
Englewood, CO 80112

Date: 13-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
E-W1669	0	Title: Syncrocloser Wiring Diagram STAMPED (E-W1669), Revision: Issued for Construction (0, Feb 10, 2012)	LG Constructors, Inc.	A-Approval

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James Spicer	Mariposa Energy, LLC E	Jeff Nobe	LG Constructors, Inc. E
Les Mathine	LG Constructors, Inc. E	MEP Pwr Gp Mailbox LG Constructors, Inc.	E

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Transmittal No.: 01846

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 09-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

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CH2M HILL MV One Line Diagram

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B-Bid	PE - Permit	RWC - Reviewed with Comments
B/C - Bid/Construction	P - Proceed	RWOC - Rev'd w/o Comments
C- Construction	PU - Purchase	RP - Revise & Proceed as Noted
		SU - Superseded
		V - Void
		X - Comments

Transmitted By: Lisa Gilkes

(E) lisa.gilkes@ch2m.com  
(O)

Transmitted For: Jeff Nobe

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ELEC-1-3.0X2 - MEP 415059 MV One Line Diagrams - PC1

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Transmittal No.: 01846

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 09-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
E-N1007	2	Title: One Line Diagram SG-EMV-0-01B STAMPED (E-N1007), Revision: Revised as Noted (2, Jan 30, 2012)	LG Constructors, Inc.	A-Approval

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Les Mathine LG Constructors, Inc.	E		

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9189 S. Jamaica Street  
Englewood, CO 80112

Date: 09-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

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was sent via: FTP

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CH2M HILL One Line Diagram

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C- Construction	RP - Revise & Proceed as Noted	
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Transmitted By: Lisa Gilkes

(E) lisa.gilkes@ch2m.com  
(O)

Transmitted For: Jeff Nobe

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ELEC-1-3.1X2 - MEP 415059 One Line Diagram - PC1

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Transmittal No.: 01847

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 09-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
E-N1009	2	Title: One Line Diagram SG-ELV-0-01A/B STAMPED (E-N1009), Revision: Revised as Noted (2, Jan 30, 2012)	LG Constructors, Inc.	A-Approval

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Jeff Nobe LG Constructors, Inc.	E	Les Mathine LG Constructors, Inc.	E
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Transmittal No.: 01982

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 29-Feb-12

TO: Bureau Veritas North America, Inc.  
180 Promenade Circle  
Suite 150  
Sacramento, CA 95834

Job No: 415059

Job Name: Mariposa Energy Project

ATTN: Barbara Tomajic

The following Data  
was sent via: FTP

REF: ISSUED FOR APPROVAL  
CH2M Hill UG Details Gas Compressor Area

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FAB - Fabrication		
I- Information		
P - Proceed		
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Transmitted By: Kelly Banta

(E) kelly.banta@ch2m.com  
(O)

Transmitted For: Jeff Nobe

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Transmittal No.: 01982

9189 S. Jamaica Street  
Englewood, CO 80112

Date: 29-Feb-12

Document No.:	Rev No.:	Description:	Designer:	Code:
E-U2005	0	Title: Underground Details Gas Compressor Area STAMPED (E-U2005), Revision: Issued for Construction (0, Sep 8, 2011)	LG Constructors, Inc.	A-Approval

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**Exhibit 7**  
**Compliance Matrix**

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MARIPOSA ENERGY PROJECT COMPLIANCE MATRIX BASED ON FINAL COMMISSION DECISION

February 1 to February 29, 2012

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
1	AQ	AQ-SC1	CONS	Designate and retain an on-site Air Quality Construction Mitigation Manager (AQCM) who shall be responsible for directing and documenting compliance with <b>AQ-SC3, AQ-SC4, and AQ-SC5</b> for the entire project site and linear facility construction. The on-site AQCM may delegate responsibilities to one or more AQCM delegates. The AQCM shall not be terminated without written consent of the compliance project manager (CPM).	Submit to the CPM for approval, the name, resume, qualifications, and contact information for the on-site AQCM and all AQCM delegates. The AQCM and all delegates must be approved by the CPM before the start of ground disturbance.	Resume of AQCM & Delegates	At least 60 days prior to ground disturbance	10/21/2011	10/26/2011	Complete	Original submittals completed 4/8/11, PG&E AQCM resume submitted 10/21/11 and approved on 10/26/11.
2	AQ	AQ-SC2	PC	Provide, for approval, an Air Quality Construction Mitigation Plan (AQCMP) that details the steps to be taken and the reporting requirements necessary to ensure compliance with conditions of certification <b>AQ-SC3, AQ-SC4 and AQ-SC5</b> .	Submit the AQCMP to the CPM for approval. The CPM will notify the project owner of any necessary modifications to the plan within 30 days from the date of receipt. The AQCMP must be approved by the CPM before the start of ground disturbance.	AQCMP	At least 60 days prior to ground disturbance	Complete	2/28/2011	Complete	Revised AQCMP submitted 6/20/11
3	AQ	AQ-SC3	CONS	Submit documentation to the CPM in each monthly compliance report (MCR) that demonstrates compliance with mitigation measures (a) through (m) in the Condition for purposes of preventing all fugitive dust plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval. ( <b>See FINAL Conditions for a List of All Measures</b> )	The MCR shall include: (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the air district in relation to project construction; and (3) any other documentation deemed necessary by the CPM and AQCM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion, as approved by the CPM.	MCR	Monthly	On-going	NA	In-progress	See page 5-1 of the AQCMP and Section 6
4	AQ	AQ-SC4	PC	AQCM or delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes with the potential to be transported off the project site, 200 feet beyond the centerline of the construction of linear facilities, or within 100 feet upwind of any regularly occupied structures not owned by the project owner indicate that existing mitigation measures are not providing effective mitigation. The AQCM or delegate shall then implement Steps 1 through 3 in the Condition in the event such visible dust plumes are observed. ( <b>See FINAL Conditions for a List of All Measures</b> )	The AQCMP shall include a section detailing how additional mitigation measures will be accomplished within the specified time limits.	see AQ-SC2	At least 60 days prior to ground disturbance	Complete	NA	Complete	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
5	AQ	AQ-SC5	CONS	Submit to the CPM, in the MCR, a construction mitigation report that demonstrates compliance with mitigation measures (a) through (f) in the Condition for purposes of controlling diesel construction related emissions. Any deviation from the mitigation measures shall require prior CPM notification and approval. <b>(See FINAL Conditions for a List of All Measures)</b>	Include in the MCR: (1) a summary of all actions taken to maintain compliance with this condition; (2) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that the equipment has been properly maintained; and (3) any other documentation deemed necessary by the CPM and AQ/CMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion, as approved by the CPM.	MCR	Monthly	On-going	NA	In-progress	
6	AQ	AQ-SC6a	CONS	Any modification to any project air permit that is proposed by the project owner, the District, or U.S. EPA shall be submitted to the CPM for review and approval.	Submit any proposed air permit modification to the CPM within five working days of either: 1) submittal by the project owner to an agency, or 2) receipt of proposed modifications from an agency.	(If Needed)	Within 5 working days of proposing permit modification	As-needed	NA	As-needed	
7	AQ	AQ-SC6b	CONS	Any revised permit issued by the District or U.S. EPA for the project shall be submitted to the CPM for review and approval.	Submit all modified air permits to the CPM within 15 days of receipt.	(If Needed)	Within 15 days of receipt of permit revision	As-needed	NA	As-needed	
8	AQ	AQ-SC7a	PC	Offsets or emission reduction credits (ERCs) in the quantities of at least 22.72 tons per year (tpy) NOx, 2.51 tpy VOC, 8.13 tpy PM10, and 1.10 tpy SOx emissions shall be provided. The NOx and/or VOC ERCs from among BAAQMD Certificate Numbers 1182 and/or 1184, or an alternate certificate, as allowed by this condition [AQ-SC7] shall be surrendered. If additional ERCs are submitted, the project owner shall submit an identification of the additional ERCs to the CPM. CPM approval for any substitutions, modifications, or additions to the listed credits shall be requested.	The project owner shall submit to the CPM records showing that the project's BAAQMD offset requirements have been met prior to initiating construction.	ERC's	Prior to construction	Complete	5/25/2011	Complete	
9	AQ	AQ-SC7b	CONS	To demonstrate that a sufficient quantity of local emission reductions of PM10 and/or SOx occur, a report shall be provided that identifies the feasible timing of the reductions and the ultimate use and cost effectiveness of the \$644,503 fee in the Air Quality Mitigation Settlement Agreement executed by the San Joaquin Valley Air Pollution Control District Governing Board, December 17, 2009. If insufficient emission reductions would result from the use of the fee, then the project owner shall expand the scope of the Settlement Agreement and fee or surrender sufficient PM10 and/or SOx ERCs as described in the condition.	The project owner shall submit to the CPM records showing that the local emission reductions achieved by using the SJVAPCD fee are likely to occur prior to initiating operation.	Letter	Prior to Turbine Commissioning	4/15/2012		In Progress	Fees paid to SJVAPCD in October 2011 with delivery of the first turbine. Confirmed 2/21/12- SJVAPCD have identified two types of projects to fund and have solicited applications from the area.

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
10	AQ	AQ-SC7c	PC	The CPM, in consultation with the District, may approve any such change to the ERC list provided that the project remains in compliance with all applicable laws, ordinances, regulations, and standards, and that the requested change(s) will not cause the project to result in a significant environmental impact. The District must also confirm that each requested change is consistent with applicable federal and state laws and regulations.	If the CPM approves a substitution or modification to the list of ERCs, a statement of the approval shall be filed with the project owner and the Energy Commission docket. The CPM shall maintain an updated list of approved ERCs for the project.	--	Prior to construction	Complete	5/25/2011	Complete	
11	AQ	AQ-SC8	OPS	Submit to the CPM quarterly operation reports that include operational and emissions information as necessary to demonstrate compliance with the conditions of certification. The quarterly operation report shall specifically note or highlight incidences of noncompliance.	Submit quarterly operation reports to the CPM and APCO. This information shall be maintained on site for a minimum of five years and shall be provided to the CPM and District personnel upon request.	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
12	AQ	AQ-SC9	COMM	The facility shall be operated such that simultaneous commissioning of the combustion turbines will not occur without abatement of nitrogen oxide and CO emissions by its SCR system and oxidation catalyst system. Operation of a combustion turbine during commissioning without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR or Oxidation Catalyst Systems fully operational.	Submit a monthly compliance report to the CPM during the commissioning period demonstrating compliance with this condition.	MCR	Monthly	6/14/2012		Not Started	
13	AQ	AQ-SC10a	COMM	The diesel fire water pump engine (proposed rating: 220 horsepower) shall be certified as meeting ARB Tier 3 or better standards. Scheduled testing of the fire pump engine shall not occur during operation of any combustion turbine in commissioning mode. Any planned test of the fire pump engine shall last no more than 30 minutes and shall be completed only between 8 a.m. and 11 a.m. standard time.	Submit a monthly compliance report to the CPM during the commissioning period demonstrating compliance with this condition.	MCR	Monthly	6/14/2012		Not Started	
14	AQ	AQ-SC10b	OPS	The diesel fire water pump engine (proposed rating: 220 horsepower) shall be certified as meeting ARB Tier 3 or better standards. Scheduled testing of the fire pump engine shall not occur during operation of any combustion turbine in commissioning mode. Any planned test of the fire pump engine shall last no more than 30 minutes and shall be completed only between 8 a.m. and 11 a.m. standard time.	Submit a quarterly operation report (AQ-SC8) demonstrating compliance with this condition.	Quarterly Operation Report	Quarterly	On-going		Not Started	
15	AQ	AQ-1	COMM	Minimize emissions of carbon monoxide and nitrogen oxides from S-1, S-2, S-3 and S-4 Gas Turbines to the maximum extent possible during the commissioning period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
16	AQ	AQ-2	COMM	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, the project owner shall tune the S-1, S-2, S-3 and S-4 Gas Turbines combustors to minimize the emissions of carbon monoxide and nitrogen oxides.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
17	AQ	AQ-3	COMM	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, the project owner shall install, adjust, and operate the A-1, A-3, A-5 and A-7 Oxidation Catalysts and A-2, A-4, A-6 and A-8 SCR Systems to minimize the emissions of carbon monoxide and nitrogen oxides from S-1, S-2, S-3, and S-4 Gas Turbines.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8)	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
18	AQ	AQ-4	COMM	Submit a plan to the District Engineering Division and the CEC CPM at least four weeks prior to first firing of S-1, S-2, S-3, and S-4 Gas Turbines describing the procedures to be followed during the commissioning of the gas turbines. The plan shall include the elements outlined in the condition [AQ-4]. The Gas Turbines (S-1, S-2, S-3 or S-4) shall not be fired sooner than 28 days after the District receives the commissioning plan.	Submit a commissioning plan to the CPM and APCO for approval describing the procedures to be followed during the commissioning period and the anticipated duration of each commissioning activity.	Commissioning Plan	At least 4 weeks prior to first firing of the gas turbine	3/16/2012		In progress	Draft commissioning plan submitted to DGC 1/12/12. Reviewed and comments returned to LG for revision on 1/20/12
19	AQ	AQ-5	COMM	During the commissioning period, demonstrate compliance with AQ-7, AQ-8, AQ-9, and AQ-10 through the use of properly operated and maintained continuous emission monitors and data recorders for the parameters and emission concentrations listed in this condition [AQ-5]. The monitored parameters shall be recorded, and District-approved calculation methods shall be used, as outlined in this condition. Records shall be retained on site for at least 5 years from the date of entry and such records will be made available to District personnel upon request. (See FINAL Conditions for a List of All Measures)	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4.	see AQ-4	At least 4 weeks prior to first firing of the gas turbine	3/16/2012		In progress	Draft commissioning plan submitted to DGC 1/12/12. Reviewed and comments returned to LG for revision on 1/20/12

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
20	AQ	AQ-6	COMM	Install, calibrate, and operate the District-approved continuous monitors specified in AQ-5 prior to first firing of the Gas Turbines (S-1, S-2, S-3 and S-4). After first firing of the turbines, adjust the detection range of these continuous emission monitors as necessary to accurately measure the resulting range of CO and NOx emission concentrations. The instruments shall operate at all times of operation of S-1, S-2, S-3, and S-4 including start-up, shutdown, upset, and malfunction, except as allowed by BAAQMD Regulation 1-522, BAAQMD Manual of Procedures, Volume V. If necessary to comply with this requirement, the project owner shall install dual-span monitors. The type, specifications, and location of these monitors shall be subject to District review and approval.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	--	Prior to first firing of the Gas Turbines	03/16/12		Not Started	When CEMS is installed send letter to Agency that site is available for inspection and/or include cover letter with commissioning plan giving notice that the site is available for inspection.
21	AQ	AQ-7	COMM	The Gas Turbines shall not be fired without abatement of nitrogen oxide emissions and/or abatement of CO emissions, as described in this condition. Such operation of any Gas Turbine without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR system and/or oxidation catalyst in place. Upon completion of these activities, provide written notice to the District Engineering and Enforcement Divisions and the unused balance of the 200 firing hours for each turbine without abatement shall expire.	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	see AQ-4 / Quarterly Operation Report	Upon Completion of activities	May 19, 2012		Not Started	LG to notify DGC that commissioning activities without abatement are complete. DGC to notify CPM and BAAQMD
22	AQ	AQ-8	COMM	The total mass emissions of nitrogen oxides, carbon monoxide, precursor organic compounds, PM10, and sulfur dioxide that are emitted by the Gas Turbines (S-1, S-2, S-3, and S-4) during the commissioning period shall accrue towards the consecutive twelve-month emission limitations specified in AQ-20.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8)	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	July 14, 2012		Not Started	LG to provide commissioning data for DGC quarterly report
23	AQ	AQ-9	COMM	The Gas Turbines (S-1, S-2, S-3, and S-4) shall not be operated in a manner such that the combined pollutant emissions from the turbines will exceed the limits in this condition during the commissioning period. These emission limits shall include emissions resulting from the start-up and shutdown of the Gas Turbines. In addition, commissioning activities will be conducted on no more than one turbine/day.	The limits in this condition for NOx and CO both apply. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	July 14, 2012		Not Started	LG to provide commissioning data for DGC quarterly report



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24	AQ	AQ-9a	COMM	The Gas Turbines (S-1, S-2, S-3, and S-4) shall not be operated in a manner such that the pollutant emissions from each gas turbine will exceed the limits in this condition during the commissioning period. These emission limits shall include emissions resulting from the start-up and shutdown of the Gas Turbines. In addition, commissioning activities will be conducted on no more than one turbine/day.	The limits in this condition for NOx and CO both apply. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	July 14, 2012		Not Started	LG to provide commissioning data for DGC quarterly report
25	AQ	AQ-10a	COMM	Within 90 days after startup of each turbine, conduct District and CEC approved source tests on that turbine to determine compliance with the emission limitations specified in AQ-17. The source tests shall be conducted and analyzed in accordance with this condition [AQ-10].		--	Within 90 days of startup of each turbine	7/14/2012		Not Started	
26	AQ	AQ-10b	COMM	Thirty working days before the execution of the source tests, submit to the District and the CEC Compliance Program Manager (CPM) a detailed source test plan for approval. The District and the CEC CPM will notify the project owner of any necessary modifications to the plan within 20 working days of receipt of the plan; otherwise, the plan shall be deemed approved. The Project owner shall incorporate the District and CEC CPM comments into the test plan.	Submit a source test plan to the CPM and APCO for approval as <b>part of the commissioning plan</b> required in AQ-4.	Source Test Plan	30 working days prior to the source testing date	3/16/2012		Not Started	Submit with Commissioning Plan per verification section
27	AQ	AQ-10c	COMM	Notify the District and the CEC CPM within seven (7) working days prior to the planned source testing date.		Notification to District	7 working days prior to the source testing date	6/4/2012		Not Started	LG to notify DGC 10 days before source test so letter of notification can be sent
28	AQ	AQ-10d	COMM	Submit the source test results to the District and the CEC CPM within 60 days of the source testing date.		Source Test Results	within 60 days of the source testing date	7/18/2012		Not Started	
29	AQ	AQ-11	OPS	Fire the Gas Turbines (S-1, S-2, S-3, and S-4) exclusively on PUC-regulated natural gas with a maximum sulfur content of 1 grain per 100 standard cubic feet. To demonstrate compliance with this limit, the operator of S-1, S-2, S-3 and S-4 shall sample and analyze the gas from each supply source at least monthly to determine the sulfur content of the gas. PG&E monthly sulfur data may be used provided that such data can be demonstrated to be representative of the gas delivered to the MEP.	The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
30	AQ	AQ-12	OPS	The units shall not be operated such that the heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4) exceeds 481 MMBtu (HHV) per hour.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
31	AQ	AQ-13	OPS	The units shall not be operated such that the heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4) exceeds 11,544 MMBtu (HHV) per day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	

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32	AQ	AQ-14	OPS	The units shall not be operated such that the combined cumulative heat input rate for the Gas Turbines (S-1, S-2, S-3, and S-4) exceeds 8,128,900 MMBtu (HHV) per year.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
33	AQ	AQ-15a	OPS	Turbines S-1, S-2, S-3, or S-4 shall not be operated such that the hours of operation for any of the four units exceeds 5,200 hours per year.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
34	AQ	AQ-15b	OPS	Turbines S-1, S-2, S-3, or S-4 shall not be operated such that the hours of operation for the four units combined exceeds 16,900 hours per year.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
35	AQ	AQ-16	OPS	Ensure that each Gas Turbine (S-1, S-2, S-3, S-4) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-2, A-4, A-6, or A-8 and Oxidation Catalyst System A-1, A-3, A-5, or A-7 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-2, A-4, A-6 or A-8) has reached minimum operating temperature.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
36	AQ	AQ-17	OPS	The Gas Turbines (S-1, S-2, S-3, S-4) shall comply with requirements (a) through (g) in this condition [AQ-17]. Requirements (a) through (f) do not apply during a gas turbine start-up, and shutdown.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
37	AQ	AQ-18	OPS	The regulated air pollutant mass emission rates from each of the Gas Turbines (S-1, S-2, S-3, and S-4) during a start-up or shutdown shall not exceed the limits established in this condition (shown in Table 40). Startups shall not exceed 30 minutes. Shutdowns shall not exceed 15 minutes.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
38	AQ	AQ-19	OPS	Total combined emissions from the Gas Turbines (S-1, S-2, S-3, and S-4), including emissions generated during gas turbine start-ups and shutdowns, shall not exceed the limits (a) through (d) of this condition during any calendar day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
39	AQ	AQ-20	OPS	Cumulative combined emissions from the Gas Turbines (S-1, S-2, S-3, and S-4), including emissions generated during gas turbine start-ups, shutdowns, and malfunctions shall not exceed the limits (a) through (e) of this condition during any consecutive twelve-month period. Emissions of PM10 from each gas turbine shall be calculated by multiplying turbine fuel usage times an emission factor determined by source testing of the turbine conducted in accordance with Part 26. The emission factor for each turbine shall be based on the average of the emissions rates observed during the 4 most recent source tests on that turbine (or, prior to the completion of 4 source tests on a turbine, on the average of the emission rates observed during all source tests on the turbine).	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
40	AQ	AQ-21	OPS	The maximum projected annual toxic air contaminant emissions (per AQ-24) from the Gas Turbines (S-1, S-2, S-3, S-4) combined shall not exceed the limits in this condition [AQ-21]. A health risk assessment shall be performed using the emission rates determined by the procedures described in this condition. The risk analysis shall be submitted to the District and the CEC CPM within 60 days of the source test date. The project owner may request that the District and the CEC CPM revise the carcinogenic compound emission limits, as described in this condition. If the project owner demonstrates to the satisfaction of the APCO that these revised emission limits will not result in a significant cancer risk, the District and the CEC CPM may, at their discretion, adjust the carcinogenic compound emission limits listed in this condition.	Source test results obtained through compliance with AQ-24 and AQ-28 shall confirm the toxic air contaminant emission rates or the project owner shall submit an updated health risk assessment.	Health Risk Assessment	Within 60 days of the source testing date	7/18/2012		Not Started	
41	AQ	AQ-22	OPS	Compliance with AQ-12 through AQ-15, AQ-17(a) through AQ-17(e), AQ-18 (NOx and CO limits), AQ-19(a), AQ-19(b), AQ-20(a) and AQ-20(b) shall be demonstrated by using properly operated and maintained continuous monitors (during all hours of operation including gas turbine startup, and shutdown periods). The project owner shall monitor for parameters (a) through (k) of this condition [AQ-22].	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the continuous monitoring and recordkeeping system is properly installed and operational.	--	Throughout Operation	On-going		Not Started	
42	AQ	AQ-23	OPS	To demonstrate compliance with AQ-17(f), AQ-17(g), AQ-19(c), AQ-19(d), AQ-20(c), AQ-20(d), AQ-20(e), calculate and record on a daily basis, the mass emissions from each power train as listed in this condition [AQ-23]. Use the criteria listed in this condition to calculate these emissions, and present the calculated emissions in format (a) and (b) of this condition.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational.	--	Throughout Operation	On-going		Not Started	
43	AQ	AQ-24	OPS	To demonstrate compliance with AQ-21, calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAHs. Calculate the maximum projected annual emissions using the factors described in this condition [AQ-24]. Use of a reduced annual heat input rate to calculate the maximum projected annual emissions shall be subject to District review and approval.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational.	--	Annual	On-going		Not Started	

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44	AQ	AQ-25a	COMM	Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint units, conduct a District-approved source test on exhaust point P-1, P-2, P-3, or P-4 to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-17(e). (See Condition AQ-25 for purpose and method of test.) Ongoing compliance with AQ-17(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Within 60 days of the source testing	7/18/2012		Not Started	
45	AQ	AQ-25b	OPS	On an annual basis, conduct a District-approved source test on exhaust point P-1, P-2, P-3, or P-4 to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-17(e). (See Condition AQ-25 for purpose and method of test.) Ongoing compliance with AQ-17(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Annual Testing/Results Submitted Within 60 days of the source testing	TBD		Not Started	
46	AQ	AQ-26a	COMM	Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint units, conduct a District-approved source test on exhaust points P-1, P-2, P-3 and P-4 while each Gas Turbine is operating at maximum load to determine compliance with AQ- 17(a), AQ-17(b), AQ-17(c), AQ-17(d), AQ-17(f), AQ-17(g) and to determine a total particulate matter including condensable particulate matter emission factor, and while each Gas Turbine is operating at minimum load to determine compliance with AQ-17(c), and AQ-17(d) and to verify the accuracy of the continuous emission monitors required in AQ-22. Test for (as a minimum) the elements listed in this condition [AQ-26]. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. The project owner may conduct up to four tests per year for total particulate matter including condensable particulate matter.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a pre-approved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Within 60 days of the source testing	7/18/2012		Not Started	

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47	AQ	AQ-26b	OPS	On an annual basis, conduct a District-approved source test on exhaust points P-1, P-2, P-3 and P-4 while each Gas Turbine is operating at maximum load to determine compliance with AQ-17(a), AQ-17(b), AQ-17(c), AQ-17(d), AQ-17(f), AQ-17(g) and to determine a total particulate matter including condensable particulate matter emission factor, and while each Gas Turbine is operating at minimum load to determine compliance with AQ-17(c), and AQ-17(d) and to verify the accuracy of the continuous emission monitors required in AQ-22. Test for (as a minimum) the elements listed in this condition [AQ-26]. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. The project owner may conduct up to four tests per year for total particulate matter including condensable particulate matter.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a pre-approved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Annual Testing/Results Submitted Within 60 days of the source testing	TBD		Not Started	
48	AQ	AQ-27a	OPS	Obtain approval for all source test procedures from the District's Source Test Section and the CEC CPM prior to conducting any tests. Comply with all applicable testing requirements for continuous emission monitors as specified in Volume V of the District's Manual of Procedures. Notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days prior to the testing date(s).	Submit the proposed source test plan or protocol for the source tests 7 days prior to the proposed source test date to both the District and CPM for approval. The project owner shall notify the District and CPM no later than seven days prior to the proposed source test date and time.	Proposed Source Test Plan/Protocol & Notification to District	At least 7 days prior to the source testing date(s)	June 3, 2012		Not Started	This is operations version of source test plan , Commissioning version covered under AQ-10b
49	AQ	AQ-27b	OPS	Measure the contribution of condensable PM (back half) to any measurement of the total particulate matter or PM10 emissions. However, the project Owner may propose alternative measuring techniques to measure condensable PM such as the use of a dilution tunnel or other appropriate method used to capture semivolatile organic compounds. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	Source Test Results	Within 60 days of the source testing	July 18, 2012		Not Started	This is operations version of source test plan , Commissioning version covered under AQ-10b
50	AQ	AQ-28a	COMM	Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint gas turbines, conduct a District-approved source test on one of the following exhaust points P-1, P-2, P-3 or P-4 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with AQ-21. Also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-24 for any of the compounds listed in this condition [AQ-28] are less than the BAAQMD trigger levels, pursuant to Regulation 2, Rule 5, shown, then the project owner may discontinue future testing for that pollutant.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for toxic air contaminant emissions shall be conducted upon initial operation.	Source Test Results & Field Data	Within 60 days of the source testing	7/18/2012		Not Started	

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51	AQ	AQ-28b	OPS	On a biennial basis (once every two years), conduct a District-approved source test on one of the following exhaust points P-1, P-2, P-3 or P-4 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with AQ-21. Also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-24 for any of the compounds listed in this condition [AQ-28] are less than the BAAQMD trigger levels, pursuant to Regulation 2, Rule 5, shown, then the project owner may discontinue future testing for that pollutant.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for toxic air contaminant emissions shall be conducted at least once every 24 months.	Source Test Results & Field Data	Biennial Testing/Results Submitted Within 60 days of the source testing	TBD		Not Started	
52	AQ	AQ-29	OPS	Calculate the sulfuric acid mist (SAM) emission rate using the total heat input for the sources and the highest results of any source testing conducted pursuant to AQ-30. If this SAM mass emission limit of AQ-31 is exceeded, utilize air dispersion modeling to determine the impact (in micrograms/cubic meter) of the sulfuric acid mist emissions pursuant to Regulation 2, Rule 2, Section 306.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational. The quarterly operation report (AQ-SC8) shall include a determination of the impact if triggered by this condition.	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
53	AQ	AQ-30a	COMM	Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint gas turbines, conduct a District-approved source test on two of the four exhaust points P-1, P-2, P-3 and P-4 while each gas turbine is operating at maximum heat input rates to demonstrate compliance with the SAM emission rates specified in AQ-31. Test for (as a minimum) SO <sub>2</sub> , SO <sub>3</sub> , and H <sub>2</sub> SO <sub>4</sub> . Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation.	Source Test Results & Field Data	Within 60 days of the source testing	7/18/2012		Not Started	
54	AQ	AQ-30b	OPS	On an annual basis, conduct a District-approved source test on two of the four exhaust points P-1, P-2, P-3 and P-4 while each gas turbine is operating at maximum heat input rates to demonstrate compliance with the SAM emission rates specified in AQ-31. Test for (as a minimum) SO <sub>2</sub> , SO <sub>3</sub> , and H <sub>2</sub> SO <sub>4</sub> . Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted at least once every 12 months.	Source Test Results & Field Data	Annual Testing/Results Submitted Within 60 days of the source testing	TBD		Not Started	
55	AQ	AQ-31	OPS	Sulfuric acid emissions (SAM) from stacks P-1, P-2, P-3, P-4 combined shall not be allowed to exceed 7 tons in any consecutive 12 month period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
56	AQ	AQ-32	COMM	The stack height of emission points P-1, P-2, P-3 and P-4 shall each be at least 79.5 feet above grade level at the stack base.	Make the site available for inspection by representatives of the District, ARB and the Commission.	--	Throughout Operation	On-going	NA	In-progress	

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57	AQ	AQ-33	OPS	Submit all reports to the District (including, but not limited to monthly CEM reports, monitor breakdown reports, emission excess reports, equipment breakdown reports, etc.) as required by District Rules or Regulations and in accordance with all procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Enforcement Division Policies & Procedures Manual.	Notifications and reports, including the quarterly operation report (AQ-SC8), shall be prepared and submitted in compliance with this condition.	District Reporting	Including, but not limited to monthly and no later than 30 days following the end of each calendar quarter	On-going		Not Started	
58	AQ	AQ-34	OPS	Maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to the reports listed in this condition [AQ-34]. Make all records and reports available to District and the CEC CPM staff upon request.	Make the site available for inspection by representatives of the District, ARB and the Commission.	--	Throughout Operation	On-going	NA	Not Started	
59	AQ	AQ-35	OPS	Notify the District and the CEC CPM of any violations of these permit conditions. Notification shall be submitted in a timely manner in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8)	(If Needed)	Within 96 hours of violation of permit condition & No later than 30 days following the end of each calendar quarter	As-needed		As-needed	
60	AQ	AQ-36	OPS	Provide adequate stack sampling ports and platforms to enable the performance of source testing. The location and configuration of the stack sampling ports shall comply with the procedures listed in this condition [AQ-36], and shall be subject to BAAQMD review and approval, except that the facility shall provide four sampling ports that are at least 6 inches in diameter in the same plane of each gas turbine stack (P 1, P 2, P 3, P 4).	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission.	--	Throughout Operation	TBD	NA	In-progress	
61	AQ	AQ-37	CONS	Within 180 days of the issuance of the Authority to Construct for the MEP, contact the BAAQMD Technical Services Division regarding requirements for the continuous emission monitors, sampling ports, platforms, and source tests required by AQ-10, AQ-25, AQ-26, AQ-28 and AQ-30. Conduct all source testing and monitoring in accordance with the District approved procedures.	Contact the District for specifications on monitors, ports, platforms and source tests and submit verification of this contact to the District and CPM with the initial source test protocol (AQ-27).	see AQ-27a	Within 180 days of the ATC and at least 7 days prior to the source testing date(s)	11/10/2011		Completed 2/21/12	Emails between LG and BAAQMD will be included in Commissioning Plan submittal to CEC



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62	AQ	AQ-38	OPS	Comply with the requirement to hold SO2 allowances in 40 CFR 72.9(c)(1) and the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM and District the results of audits of the monitoring system demonstrating compliance with this condition as part of the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
63	AQ	AQ-39	OPS	Do not exceed 50 hours per year per engine for reliability-related testing.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
64	AQ	AQ-40	OPS	Each emergency standby engine shall be operated only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
65	AQ	AQ-41	OPS	Each emergency standby engine shall be operated only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated, and properly maintained.	Make the site available for inspection by representatives of the District, ARB and the Commission. Include a photograph of each totalizing meter in the quarterly operation report (AQ-SC8).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	On-going		Not Started	
66	AQ	AQ-42	OPS	Records: Maintain the monthly records (a) through (e) of this condition [AQ-42] in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.	Make the site available for inspection by representatives of the District, ARB, and the Commission.	--	Throughout Operation	On-going	NA	Not Started	
67	AQ	AQ-43	OPS	If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the requirements described in this condition [AQ-43] shall apply.	Make the site available for inspection by representatives of the District, ARB, and the Commission.	--	Throughout Operation	On-going	NA	In-progress	
68	BIO	BIO-1a	PC	DESIGNATED BIOLOGIST SELECTION: A Designated Biologist shall be assigned to the project, and the resume of the proposed Designated Biologist, with at least 3 references and contact information, shall be submitted to the Energy Commission Compliance Project Manager (CPM) for approval, in consultation with CDFG and USFWS. The Designated Biologist must meet the minimum qualifications (1) through (4) in this condition [BIO-1].	The specified information shall be submitted at least 60 days prior to the start of any site (or related facilities) mobilization. No site or related facility activities, including pre-construction debris removal, shall commence until an approved Designated Biologist is available to be on site.	DB Resume	At least 60 days prior to the start of site mobilization	Complete	3/15/2011	Complete	

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69	BIO	BIO-1b	CONS	DESIGNATED BIOLOGIST SELECTION	If a Designated Biologist needs to be replaced, the specified information of the proposed replacement must be submitted to the CPM at least ten (10) working days prior to the termination or release of the preceding Designated Biologist. In an emergency, the project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent Designated Biologist is proposed to the CPM for consideration.	(If Needed)	At least 10 working days prior to the termination or release of the preceding Designated Biologist	As-needed	NA	As-needed	
70	BIO	BIO-2a	CONS	DESIGNATED BIOLOGIST DUTIES: The Designated Biologist shall perform the duties (1) through (9) during any site (or related facilities) pre-construction debris removal, mobilization, ground disturbance, grading, construction, operation, and closure activities. The Designated Biologist may be assisted by the approved Biological Monitor(s), but remains the contact for the project owner and CPM.	The Designated Biologist shall submit in the Monthly Construction Compliance Report to the CPM copies of all written reports and summaries that document biological resources activities.	MCR	Monthly	On-going	NA	In-progress	
71	BIO	BIO-2b	OPS	DESIGNATED BIOLOGIST DUTIES	If actions may affect biological resources during operation, a Designated Biologist shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties are determined to be unnecessary by the CPM.	ACR	Annually Throughout Operation	On-going	NA	Not Started	
72	BIO	BIO-3a	PC	BIOLOGICAL MONITOR QUALIFICATIONS: The project owner's CPM-approved Designated Biologist shall submit the resume, including at least 3 references and contact information, of the proposed Biological Monitors to the CPM for approval, in consultation with CDFG and USFWS.	Submit the specified information to the CDFG and USFWS for review and comment and the CPM for approval no less than 30 days prior to the start of any site (or related facilities) mobilization. The Designated Biologist shall submit a written statement to the CPM confirming that the individual Biological Monitor(s) have been trained including the date when training was completed.	BM's Quals	At least 30 days prior to the start of site mobilization	Complete	4/29/2011	Complete	
73	BIO	BIO-3b	CONS	Enough biological monitors must be on site during pre-construction debris removal, before and during, water supply pipeline, natural gas pipeline, and transmission line construction and prior to fencing the power plant site to collectively meet the minimum qualifications (1) through (3) in this condition [BIO-3].	If additional biological monitors are needed during construction, the specified information shall be submitted to the CDFG and USFWS for review and comment and the CPM for approval no less than 14 days prior to their first day of monitoring activities.	(If Needed)	No less than 14 days prior to BM's first day of monitoring	As-needed	NA	As-needed	

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74	BIO	BIO-4	CONS	DESIGNATED BIOLOGIST AND BIOLOGICAL MONITOR AUTHORITY: The project owner's Construction/Operation Manager shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the biological resources Conditions of Certification. If required by the Designated Biologist and Biological Monitor(s) any activities shall be halted in areas specified by the Designated Biologist. The Designated Biologist shall halt activities in accordance with steps (1) through (3) of this condition [BIO-4]. If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on behalf of the Designated Biologist.	The Designated Biologist or Biological Monitor shall notify the CPM immediately (and no later than the following morning of the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any activities. The project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem. Whenever corrective action is taken by the project owner, a determination of success or failure will be made by the CPM within 5 working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made.	(If Needed)	Immediately	As-needed	NA	As-needed	
75	BIO	BIO-5a	PC	WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP): Develop and implement a CPM-approved WEAP as described in this condition [BIO-5]. The specific program can be administered by a competent individual(s) acceptable to the Designated Biologist.	No less than 30 days prior to the start of any site (or related facilities) mobilization, the project owner shall provide to the CPM the final WEAP and all supporting written materials and electronic media prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program.	Final WEAP	At least 30 days prior to the start of site mobilization	Complete	5/25/2011	Complete	
76	BIO	BIO-5b	CONS	WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)	The project owner shall provide in the Monthly Compliance Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.	MCR	Monthly	On-going	NA	In-progress	
77	BIO	BIO-5c	CONS	WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)	Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least 6 months after the start of commercial operation. During project operation, signed statements for operational personnel shall be kept on file for 6 months following the termination of an individual's employment.	--	At least 6 months after the start of commercial operation	On-going	NA	In-progress	

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78	BIO	BIO-5d	OPS	WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)	Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least 6 months after the start of commercial operation. During project operation, signed statements for operational personnel shall be kept on file for 6 months following the termination of an individual's employment.	--	At least 6 months after the start of commercial operation	On-going	NA	Not Started	
79	BIO	BIO-6a	PC	BIOLOGICAL RESOURCES MITIGATION IMPLEMENTATION AND MONITORING PLAN (BRMIMP): Develop a BRMIMP and submit two copies of the proposed BRMIMP to the CDFG and USFWS for review and comment and the CPM for approval and implement the measures identified in the approved BRMIMP. The BRMIMP shall be prepared in consultation with the Designated Biologist and shall identify items (1) through (15) of this condition [BIO-6].	Provide the specified draft document at least 60 days prior to start of any site (or related facilities) mobilization. The CPM, in consultation with other appropriate agencies, will determine the BRMIMP's acceptability within 45 days of receipt.	Draft BRMIMP	At least 60 days prior to the start of site mobilization	Complete	6/3/2011	Complete	
80	BIO	BIO-6b	PC	BRMIMP	If there are any permits that have not yet been received when the BRMIMP is first submitted, these permits shall be submitted to the CPM within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition within 10 days of their receipt by the project owner. Ten days prior to site and related facilities mobilization the revised BRMIMP shall be resubmitted to the CPM.	Revised BRMIMP	At least 10 days prior to the start of site mobilization	Complete	6/3/2011	Complete	
81	BIO	BIO-6c	CONS	BRMIMP	The project owner shall notify the CPM no less than 5 working days before implementing any modifications to the approved BRMIMP to obtain CPM approval. Any changes to the approved BRMIMP must also be approved by the CPM in consultation with other appropriate agencies to ensure no conflicts exist.	(If Needed)	At least 5 working days before implementing modification to approved BRMIMP	As-needed	NA	As-needed	
82	BIO	BIO-6d	CONS	BRMIMP	Implementation of BRMIMP measures will be reported in the Monthly Compliance Reports by the Designated Biologist (i.e., survey results, construction activities that were monitored, species observed).	MCR	Monthly	On-going	NA	In-progress	

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83	BIO	BIO-6e	CONS	BRMIMP	Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction closure report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and construction phases, and which mitigation and monitoring items are still outstanding.	Construction Closure Report	Within 30 days after completion of project construction	7/14/2012		Not Started	
84	BIO	BIO-7a	PC	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Measures (1) through (14) of this condition [BIO-7] shall be implemented to avoid and minimize impacts to biological resources from the proposed project during all phases of the project.	No less than 10 days prior to the start of any ground disturbing activities or construction equipment staging, provide the CPM a letter-report describing the findings of the pre-construction surveys, as specified in this condition [BIO-7]. All mitigation measures and their implementation methods shall be included in the BRMIMP.	Letter Report	At least 10 days prior to ground disturbing activities	Partial Complete	6/1/2011	Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11
85	BIO	BIO-7b	CONS	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Implementation of the measures will be reported in the Monthly Compliance Reports by the Designated Biologist.	MCR	Monthly	On-going	NA	In-progress	
86	BIO	BIO-7c	CONS	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction termination report identifying how measures have been completed.	Construction Closure Report	Within 30 days after completion of project construction	7/14/2012		Not Started	
87	BIO	BIO-7d	OPS	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES	The general impact avoidance and minimization measures shall be implemented to avoid impacts to biological resources from the proposed project during site mobilization, preconstruction debris removal, ground disturbance, grading, construction, operation, maintenance, and closure.	----	----	On-going	NA	Not Started	

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88	BIO	BIO-8a	PC	PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction nest surveys shall be conducted if construction activities will occur from February 1 through August 31. The Designated Biologist or Biological Monitor shall perform surveys in accordance with the guidelines (1) through (4) of this condition [BIO-8].	No less than 2 days prior to the start of any ground disturbing activities or construction equipment staging, provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no disturbance buffer zone around the nest.	Letter Report	At least 2 days prior to the start of ground disturbing activities	Partial Complete	6/2/2011	Partial Complete	
89	BIO	BIO-8b	PC	PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES	If active nests are detected during the survey, a monitoring plan shall be submitted to the CDFG and USFWS Migratory Bird Office for review and comment and the CPM for approval. Approval of the plan is required before construction may commence.	Monitoring Plan	Prior to construction	Complete	6/2/2011	Complete	
90	BIO	BIO-8c	CONS	PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES	If active nests are detected during the survey, a weekly monitoring report shall be submitted to the CPM.	Weekly monitoring reports	Weekly during nesting season	On-going	NA	In-progress	Weekly reports submitted by Todd beginning on 6/21/11. Last report for this nesting season issued on 8/18/11
91	BIO	BIO-9a	CONS	SPECIAL-STATUS INVERTEBRATE IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Implement the measures described in this condition [BIO-9] to avoid or minimize impacts to listed fairy shrimp or tadpole shrimp species and habitat.	No less than 10 days prior to ground disturbance, provide a report detailing the locations of buffer zone fencing, and that includes both a figure and photographs showing the location of the fencing.	Buffer Zone Fencing Report	At least 10 days prior to ground disturbing activities	Partial Complete		Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2.5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11
92	BIO	BIO-9b	CONS	SPECIAL-STATUS INVERTEBRATE IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Report monthly to the CPM, CDFG, and USFWS for the duration of construction on the implementation of listed branchiopod habitat avoidance and minimization measures.	MCR	Monthly	On-going	NA	In-progress	
93	BIO	BIO-9c	CONS	SPECIAL-STATUS INVERTEBRATE IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Within 30 days after completion of construction, provide to the CDFG, USFWS, and CPM a written construction termination report identifying how impact minimization measures have been completed.	Construction Closure Report	Within 30 days after completion of project construction	7/14/2012		Not Started	

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94	BIO	BIO-10a	PC	CALIFORNIA TIGER SALAMANDER (CTS) AND CALIFORNIA RED-LEGGED FROG (CRLF) IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: The project owner, in consultation with the Designated Biologist, shall prepare and implement a Management Plan, that presents measures to manage the construction site, and related facilities, in a manner to avoid and minimize impacts to CRLF and CTS. The measures should be developed in coordination with the CDFG and USFWS, shall be approved by the CPM (in consultation with the USFWS and CDFG), and shall include, at a minimum, criteria (1) through (2) of this condition [BIO-10].	No less than 30 days prior to the start of any project-related ground disturbance, provide a final Management Plan to the CPM, CDFG, and USFWS. The final, approved Management Plan shall be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented.	Final CRLF & CTS Management Plan	At least 30 days prior to the start of ground disturbance	Complete	6/1/2011	Complete	
95	BIO	BIO-10b	PC	CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	No less than 10 days prior to the start of any ground disturbing activities or construction equipment staging, provide the CPM a letter-report describing the findings of the pre-construction surveys and containing the information described in this condition.	Letter Report	At least 10 days prior to ground disturbing activities	Partial Complete		Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line. Phase 2 fencing report issued to CEC on 8/3/11
96	BIO	BIO-10c	CONS	CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	Report monthly to the CPM, CDFG and USFWS for the duration of construction on the implementation of CTS and CRLF avoidance and minimization measures.	MCR	Monthly	On-going	NA	In-progress	
97	BIO	BIO-10d	CONS	CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	Within 30 days after completion of construction, provide to the CDFG and CPM a written construction termination report identifying how mitigation measures described in the plan have been completed.	Construction Closure Report	Within 30 days after completion of project construction	7/14/2012		Not Started	
98	BIO	BIO-10e	CONS	CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	Within 60 days of completion of the permanent power plant site fence, submit a figure and photographs to the CPM, CDFG, and USFWS of the CTS and CRLF barrier fence.	Figure / Photographs of barrier fence	Within 60 days of completion of the permanent power plant site fence	07/30/12		Not Started	
99	BIO	BIO-11a	PC	WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction surveys shall be conducted concurrent with CRLF and CTS pre-construction surveys. Western pond turtles shall be avoided to the extent possible. Avoidance areas shall be delineated by exclusionary fencing. If western pond turtles are found within project disturbance area that cannot be avoided, they shall be relocated to the CPM (in consultation with CDFG)-approved site.	Submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures.	Survey Report	At least 10 days prior to ground disturbing activities	Partial Complete		Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line. Phase 2 fencing report issued to CEC on 8/3/11

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100	BIO	BIO-11b	CONS	WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Within 30 days after completion of construction of the project linears, the project owner shall provide to the CDFG and CPM a written construction termination report identifying how impact minimization measures have been completed.	Construction Closure Report	Within 30 days after completion of project construction	7/14/2012		Not Started	
101	BIO	BIO-12a	PC	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: Implement the measures in this condition [BIO-12] to manage the construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls. Measures include pre-construction surveys, avoidance measures, and a mitigation plan.	The Designated Biologist shall provide to the CPM and CDFG pre-construction survey results within 10 days of the completion of the survey.	Survey Report	Within 10 days of completion of the burrowing owl pre-construction survey.	Partial Complete	5/31/2011	Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2.5 survey completed on 9/29 for gas line. Phase 2 fencing report issued to CEC on 8/3/11
102	BIO	BIO-12b	PC	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	If pre-construction surveys detect burrowing owls within 500 feet of proposed construction activities, the Designated Biologist shall provide to the CPM and CDFG documentation indicating that non-disturbance buffer fencing has been installed no less than 10 days prior to the start of any project-related site disturbance activities. The documentation shall include both a figure and photographs showing the location of the fencing.	Non-disturbance buffer fencing installation documentation	At least 10 days prior to ground disturbing activities	Partial Complete	5/31/2011	Partial Complete	Phase 2 fencing report issued to CEC on 8/3/11
103	BIO	BIO-12c	PC	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	If pre-construction surveys detect burrowing owls or active burrowing owl burrows within the project disturbance area, a final Burrowing Owl Mitigation Plan shall be provided to the CPM and CDFG no less than 10 days prior to the start of construction. The measures described in the plan shall be incorporated into the BRMIMP no less than 10 days of completion of the plan, and implemented.	Final BUOW Mitigation Plan	At least 10 days prior to ground disturbing activities	Complete	5/31/2011	Complete	
104	BIO	BIO-12d	CONS	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	The project owner shall report monthly to the CPM and CDFG for the duration of construction on the implementation of burrowing owl avoidance and minimization measures.	MCR	Monthly	On-going	NA	In-progress	
105	BIO	BIO-12e	CONS	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: Implement the measures in this condition [BIO-12] to manage the construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls. Measures include pre-construction surveys, avoidance measures, and a mitigation plan.	Within 30 days after completion of construction, provide to the CDFG and CPM a written construction termination report identifying how mitigation measures, including those measures described in the mitigation plan, if a plan was required, have been completed.	Construction Closure Report	Within 30 days after completion of project construction	7/14/2012		Not Started	



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106	BIO	BIO-13a	PC	AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction surveys shall be conducted concurrent with the San Joaquin kit fox and burrowing owl pre-construction surveys. Surveys shall be conducted as described in this condition [BIO-13]. Den avoidance, monitoring, and destruction methods shall adhere to those prescribed for San Joaquin kit fox in Condition BIO-14.	Submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures.	Survey Report	At least 10 days prior to ground disturbing activities	Partial Complete	6/1/2011	Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11
107	BIO	BIO-13b	CONS	AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Within 30 days after completion of construction of the project, provide to the CDFG and CPM a written construction termination report identifying how impact minimization measures have been completed.	Construction Closure Report	Within 30 days after completion of project construction	7/14/2012		Not Started	
108	BIO	BIO-14a	PC	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: Prepare and implement a San Joaquin kit fox Management Plan that includes pre-construction surveys, exclusion zones, destruction of dens guidance, and other construction and operational requirement measures, as described in this condition [BIO-14]. The measures shall be developed in cooperation with USFWS and CDFG.	Submit to the CPM, CDFG, and USFWS the final San Joaquin Kit Fox Management Plan no less than 30 days prior to the start of ground disturbing activities or construction equipment staging. The mitigation measures in the final San Joaquin Kit Fox Management Plan shall be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented.	Final San Joaquin Kit Fox Management Plan	At least 30 days prior to the start of ground disturbance	Complete	6/1/2011	Complete	
109	BIO	BIO-14b	PC	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	The project owner shall submit the resume and qualifications of the proposed biologist(s) to the CDFG and USFWS for review and comment and the CPM for approval no less than 30 days prior to the start of preconstruction surveys	See BIO-1a	At least 30 days prior to the start of preconstruction surveys	Complete	4/29/2011	Complete	
110	BIO	BIO-14c	PC	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	The project owner shall submit a report to the CPM and CDFG at least 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed minimization measures.	Survey Report	At least 10 days prior to ground disturbing activities	Partial Complete	6/1/2011	Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11
111	BIO	BIO-14d	CONS	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN	No less than 30 days after completion of construction of the project linears, the project owner shall provide to the USFWS, CDFG, and CPM a written construction termination report identifying how impact minimization measures in the plan have been completed.	Construction Closure Report	Within 30 days after completion of project linears	3/29/2012		Not Started	

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112	BIO	BIO-15a	PC	SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES: If construction is proposed during the Swainson's hawk breeding season (March-August), a pre-construction nest survey shall be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify active nests in the project site vicinity. Surveys shall be conducted as described in this condition [BIO-15].	Submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging, that describes when Swainson's hawk surveys were completed, identification and qualifications of the biologist conducting the surveys, observations, and, if required, updates to the BRMIMP based upon findings.	Survey Report	At least 10 days prior to ground disturbing activities	Partial Complete	6/2/2011	Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2.5 survey completed on 9/29 for gas line. Phase 2 fencing report issued to CEC on 8/3/11
113	BIO	BIO-15b	PC	SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES: If active nests are found within 1/2 mile of the project disturbance area, an initial temporary nest disturbance buffer shall be established. If project related activities within the temporary nest disturbance buffer are determined to be necessary during the nesting season (approximately March 1 and September 1), then a biologist experienced with raptor behavior shall be retained by the project owner to monitor the nest, and shall along with the project owner consult with the CPM and CDFG.	If project-related work is required within a Swainson's hawk nest buffer, the project owner shall submit the name and qualification of the proposed monitor to the CDFG for comment and the CPM for approval no less than 30 days prior to disturbance within the nest buffer. The designated biologist shall contact the CPM and CDFG within 2 days of a work stoppage due to disturbance to the nesting Swainson's hawk.	Biologist Name/Quals	At least 30 days prior to disturbance within the nest buffer	Complete	4/29/2011	Complete	
114	BIO	BIO-15C	CONS	SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES	No less than 30 days after completion of construction within the nest buffer, the project owner shall provide to the CDFG and CPM a written construction termination report identifying the results of monitoring during disturbance within the nest buffer.	Construction Closure Report	Within 30 days after completion of construction within the nest buffer	7/14/2012		Not Started	
115	BIO	BIO-16a	PC	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS: In order to mitigate for impacts to wetlands and habitat loss and potential take of listed species, provide compensatory mitigation at the ratios listed in Table 16 of this condition [BIO-16]. Provide Security as described in Section A of this condition, or purchase credits in an approved conservation bank, as described in Section B.	If the mitigation actions required under Section A or Section B of this condition are not completed prior to the start of ground-disturbing activities, provide the CPM with an approved Security in accordance with this condition, no less than 30 days prior to beginning project ground-disturbing activities.	Required Mitigation Actions <u>or</u> Approved Security	At least 30 days prior to the start of ground disturbing activities	Complete	5/23/2011	Complete	
116	BIO	BIO-16b	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section A: Agreements to delegate land acquisition to an approved third party shall be implemented within 6 months of the start of project ground-disturbing activities.	Third Party Agreements	Within 6 months of the start of ground disturbing activities	N/A	NA	N/A	MEP is providing Mitigation under Section B
117	BIO	BIO-16c	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section A: If the project owner elects to delegate land acquisition prior to project construction, the project owner shall provide to the CPM, CDFG, and USFWS a delegation proposal, as described in this condition, and shall obtain approval from the CPM, in consultation with CDFG and USFWS, prior to delegation or transfer of funds.	Delegation Proposal	Prior to delegation or transfer of funds for wetland and special-status species mitigation	N/A	NA	N/A	MEP is providing Mitigation under Section B

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118	BIO	BIO-16d	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section A: No less than 90 days prior to acquisition of the property, submit a formal acquisition proposal to the CPM, CDFG, USFWS, describing the parcels intended for purchase and obtain approval from the CPM, CDFG and USFWS, prior to the acquisition.	Formal Acquisition Proposal	At least 90 days prior to acquisition of wetlands and special-status species mitigation property	N/A	NA	N/A	MEP is providing Mitigation under Section B
119	BIO	BIO-16e	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section A: Provide written verification to the CPM, CDFG, and USFWS of the compensation lands acquisition and transfer within 18 months of the start of project ground-disturbing activities, or prior to commercial operation, whichever occurs first.	Verification of Compensation Lands Acquisition	Within 18 months of the start of project ground disturbing activities, or prior to commercial operation, whichever occurs first.	N/A	NA	N/A	MEP is providing Mitigation under Section B
120	BIO	BIO-16f	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section A: Provide the CPM, CDFG, and USFWS with a Compensation Lands Management Plan, for approval, within 180 days of the land or easement purchase, as determined by the date on the title. If additional long-term management fees are required, these fees shall be paid by the project owner no more than 90 days from approval of the Management Plan.	Compensation Lands Management Plan & Fees	Within 180 days of the wetlands and special-status species mitigation land or easement purchase	N/A	NA	N/A	MEP is providing Mitigation under Section B
121	BIO	BIO-16g	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section A or B: Within 90 days after completion of all project related ground disturbance, provide to the CPM, CDFG, and USFWS an analysis, based on aerial photography, with the final accounting of the amount of habitat disturbed during project construction. This shall be the basis for the final number of acres required to be acquired.	Final account of habitat disturbed during construction	Within 90 days after completion of all project related ground disturbance	8/29/2012		Not started	MEP is providing Mitigation under Section B
122	BIO	BIO-16h	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section B: No less than 90 days prior to purchase of credits, submit to the CPM and CDFG for review and approval and the USFWS for review and comment the proposed conservation bank(s), species to be mitigated at the bank, and evidence that credits are available for purchase.	Proposed Conservation Bank, Species and available credits	At least 90 days prior to purchase of wetland and special-status species mitigation credits	3/3/2012		As-needed	
123	BIO	BIO-16i	CONS	COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS	If mitigation is under Section B: Complete and provide written verification, as specified in this condition, to the CPM, CDFG, and USFWS of the credit purchase within 18 months of the start of project ground-disturbing activities, or prior to commercial operation, whichever occurs first.	Verification of Credit Purchase	Within 18 months of the start of project ground-disturbing activities, or prior to commercial operation, whichever occurs first	5/31/2012		As-needed	

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124	BIO	BIO-17a	PC	WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES: To avoid and minimize impacts to wetlands and waters, implement measures (1) through (11) of this condition [BIO-17].	No less than 10 days prior to ground disturbance, provide the CPM, CDFG, and USFWS with a report identifying the location of any protective fencing, including a figure and photographs that show the fencing.	Fencing Report & Figures	At least 10 days prior to ground disturbing activities	Partial Complete	4/29/2011	Partial Complete	Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11 and Ph 2 on 7/21/11. Gas line surveys still to be completed. Phase 2 fencing report issued to CEC on 8/3/11
125	BIO	BIO-17b	PC	WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES	If bentonite will be used, an Emergency Spill Response Plan, "Frac out" Monitoring Plan, and a Biological Monitoring Plan shall be submitted to the CDFG for review and comment and to the CPM for approval no less than 30 days prior to the start of project ground-disturbing activities. Plan approval shall be required before construction using bentonite may commence.	If Bentonite - Emergency Spill Response Plan, "Frac out" Monitoring Plan, and a Biological Monitoring Plan	At least 30 days prior to the start of ground disturbance	Complete		Complete	Not Using Bentonite
126	BIO	BIO-17c	CONS	WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Report monthly to the CPM, CDFG and USFWS for the duration of construction on the implementation avoidance and minimization measures.	MCR	Monthly	On-going	NA	In-progress	
127	BIO	BIO-17d	CONS	WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Within 30 days after completion of construction the project owner shall provide to the USFWS, CDFG and CPM a written construction termination report identifying how mitigation measures have been completed.	Construction Closure Report	Within 30 days after completion of construction	7/14/2012		Not Started	
128	BIO	BIO-18	CONS	REVEGETATION AND RESTORATION: Revegetate all temporarily affected areas, as described in measures (1) through (4) of this condition [BIO-18].	Within 30 days after completion of restoration, provide to the USFWS, CDFG and CPM a written report identifying revegetation has been completed.	Revegetation Report	Within 30 days after completion of restoration	6/30/2012		In progress	Revised plan resubmitted on 11/15/11, approved on 12/1/11
129	CUL	CUL-1a	PC	Obtain the services of an on-call Cultural Resources Specialist (CRS) and, if needed, Cultural Resources Monitors (CRMs) and other technical specialists. The CRS shall perform duties as described in this condition [CUL-1]. No ground disturbance shall occur prior to Compliance Project Manager (CPM) approval of the CRS and alternates, unless such activities are specifically approved by the CPM.	At least 45 days prior to the start of ground disturbance, submit the resume for the CRS, and alternate(s) if desired, to the CPM for review and approval. At least 10 days prior to the start of ground disturbance, confirm in writing to the CPM that the approved CRS will be available for onsite work and is prepared to implement the cultural resources conditions.	CRS & Alternates Resume / Confirmation of onsite CRS	At least 45 days prior to the start of ground disturbance	Complete	4/19/2011	Complete	

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130	CUL	CUL-1b	CONS	Obtain the services of an on-call CRS and, if needed, CRMs and other technical specialists. The CRS shall perform duties as described in this condition [CUL-1]. No ground disturbance shall occur prior to CPM approval of the CRS and alternates, unless such activities are specifically approved by the CPM.	At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS, submit the resume of the proposed new CRS to the CPM for review and approval. At the same time, also provide to the proposed new CRS the AFC and all materials described in this condition. If the CRS is terminated and there is no alternate CRS in place to conduct the duties of the CRS, a previously approved monitor may serve in place of a CRS so that project-related ground disturbance may continue up to a maximum of 3 days without a CRS. If cultural resources are discovered then ground disturbance will remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance.	(If Needed)	At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS	As-needed	NA	As-needed	
131	CUL	CUL-1c	PC	--	At least 20 days prior to ground disturbance, the CRS shall provide a letter naming anticipated CRMs for the project and stating that the identified CRMs meet the minimum qualifications for cultural resources monitoring required by this condition. At least 5 days prior to additional CRMs beginning on-site duties during the project, the CRS shall provide additional letters to the CPM identifying the CRMs and attesting to their qualifications.	Letter	At least 20 days prior to ground disturbance	Complete	5/16/2011	Complete	
132	CUL	CUL-1d	CONS	--	At least 10 days prior to any technical specialists beginning tasks, the resume(s) of the specialists shall be provided to the CPM for review and approval.	As needed technical specialists Qualls	At least 10 days prior to any technical specialists beginning tasks	As-needed	NA	As-needed	
133	CUL	CUL-2a	PC	Prior to the start of ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	At least 40 days prior to the start of ground disturbance, provide the AFC, data responses, and confidential cultural resources documents to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities. At least 15 days prior to the start of ground disturbance (of each phase of a phased project), if there are changes to any project-related footprint, provide revised maps and drawings for the changes to the CRS and CPM.	Maps and drawings	At least 40 days prior to the start of ground disturbance	Complete	5/4/2011	Complete	

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134	CUL	CUL-2b	CONS	Prior to the start of ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	Weekly during ground disturbance, a current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, e-mail, or fax. Within 5 days of changing the scheduling of phases of a phased project, provide written notice of the changes to the CRS and CPM.	Current schedule	Weekly during ground disturbance	On-going	NA	In-progress	
135	CUL	CUL-3a	PC	Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by or under the direction of the CRS and as described in this condition [CUL-3], to the CPM for review and approval. Implementation of the CRMMP shall be the responsibility of the CRS and the project owner. No ground disturbance shall occur prior to CPM approval of the CRMMP, unless such activities are specifically approved by the CPM.	Upon approval of the CRS proposed by the project owner, the CPM will provide to the CRS an electronic copy of the draft model CRMMP. At least 30 days prior to the start of ground disturbance, submit the CRMMP to the CPM for review and approval.	Draft CRMMP	At least 30 days prior to the start of ground disturbance	Complete	5/31/2011	Complete	Revised CRMMP submitted 6/21/11
136	CUL	CUL-3b	PC	--	At least 30 days prior to the start of ground disturbance, a letter shall be provided to the CPM indicating that the project owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations (survey, monitoring, testing, data recovery).	Letter confirming agreement to pay curation fees	At least 30 days prior to the start of ground disturbance	Complete	3/29/2011	Complete	
137	CUL	CUL-3c	CONS	Copies of the CRMMP shall reside with the CRS, alternate CRS, each CRM, and the project owner's on-site construction manager.	CRMMP	--	Throughout Construction	On-going		In-progress	
138	CUL	CUL-4a	CONS	Submit the final Cultural Resources Report (CRR) to the CPM for approval, if preparation of a CRR becomes necessary. The final CRR shall be prepared as described in this condition [CUL-4].	Within 90 days after completion of ground disturbance (including landscaping), submit the final CRR to the CPM for review and approval. If any reports have previously been sent to the CHRIS, then receipt letters from the CHRIS or other verification of receipt shall be included in an appendix.	Final CRR	Within 90 days after completion of ground disturbance	08/29/12		Not Started	
139	CUL	CUL-4b	CONS	--	Within 90 days after completion of ground disturbance, if cultural materials requiring curation were collected, the project owner shall provide to the CPM a copy of an agreement with, or other written commitment from, a curation facility that meets the standards stated in the California State Historical Resources Commission's Guidelines for the Curation of Archaeological Collections, to accept cultural materials, if any, from this project. Any agreements concerning curation will be retained and available for audit for the life of the project.	Commitment from Curation Facility	Within 90 days after completion of ground disturbance, Only if materials were collected during grading	TBD		Not Started	

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140	CUL	CUL-4c	CONS	--	Within 10 days after CPM approval of the CRR, provide documentation to the CPM confirming that copies of the final CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Tribal Chairpersons of any Native American groups requesting copies of project-related reports.	Confirmation that CRR has been provided to required agencies	Within 10 days after CPM approval of the CRR	TBD		Not Started	
141	CUL	CUL-4d	CONS	If the project owner requests a suspension of ground disturbance and/or construction activities, then a draft CRR that covers all cultural resources activities associated with the project shall be prepared by the CRS and submitted to the CPM for review and approval on the same day as the suspension/extension request. The draft CRR shall be retained at the project site in a secure facility until ground disturbance and/or construction resumes or the project is withdrawn. If the project is withdrawn, then a final CRR shall be submitted to the CPM for review and approval at the same time as the withdrawal request.	Within 30 days after requesting a suspension of construction activities, submit a draft CRR to the CPM for review and approval.	Draft CRR	Within 30 days after requesting a suspension of construction activities	TBD		Not Started	
142	CUL	CUL-5a	PC	Prior to and for the duration of ground disturbance, provide Worker Environmental Awareness Program (WEAP) training, as described in the condition [CUL-5] to all new workers within their first week of employment.	At least 30 days prior to the beginning of ground disturbance, the CRS shall provide the training program draft text and graphics and the informational brochure to the CPM for review and approval. At least 15 days prior to the beginning of ground disturbance, the CPM will provide to the project owner a WEAP Training Acknowledgment form for each WEAP-trained worker to sign.	Draft WEAP	At least 30 days prior to the beginning of ground disturbance	Complete	4/19/11 4/19/11	Complete	
143	CUL	CUL-5b	CONS	--	Monthly, until ground disturbance is completed, provide in the Monthly Compliance Report (MCR) the WEAP Training Acknowledgment forms of workers who have completed the training in the prior month and a running total of all persons who have completed training to date.	Signed WEAP Training Forms	Monthly	On-going	NA	In-progress	

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144	CUL	CUL-6a	PC	The CRS, alternate CRS, or CRMs shall monitor full time, as described in this condition [CUL-6], all ground disturbances in the area where a CRHR-eligible cultural resources discovery has been made. The CRMs shall keep a daily log of monitoring and other cultural resources activities, as specified in this condition. As described in this condition, archaeological monitoring of all earth-moving activities shall be implemented, if deemed necessary, in the areas specified in this condition, for as long as the CPM requires. The research design in the CRMMP shall govern the collection, treatment, retention/disposal, and curation of any archaeological materials encountered during archaeological monitoring. From the daily monitoring logs, the CRS shall compile a monthly monitoring summary report to be included in the MCR, as specified in this condition.	At least 30 days prior to the start of ground disturbance, the CPM will provide to the CRS an electronic copy of a form to be used as a daily monitoring log.	Daily Monitoring Log	30 Days Prior to Start of Ground Disturbance	Complete	4/19/2011	Complete	
145	CUL	CUL-6b	CONS	--	Monthly, while monitoring is on-going, include in each MCR a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS and attach any new DPR 523A forms completed for finds treated prescriptively, as specified in the CRMMP.	MCR	Monthly	On-going	NA	In-progress	
146	CUL	CUL-6c	CONS	In the event that the CRS believes that a current level of monitoring is not appropriate, a letter or e-mail detailing the justification for changing the level of monitoring shall be provided to the CPM for review and approval prior to any change in the level of monitoring.	At least 24 hours prior to implementing a proposed change in monitoring level, submit to the CPM, for review and approval, a letter or e-mail detailing the CRS's justification for changing the monitoring level.	(If Needed)	At least 24 hours prior to implementing a proposed change in monitoring level	As-needed	NA	As-needed	
147	CUL	CUL-6d	CONS	The CRS or alternate CRS shall report daily to the CPM on the status of the project's cultural resources-related activities, unless reducing or ending daily reporting is requested by the CRS and approved by the CPM.	Daily, as long as no cultural resources are found, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CPM as an e-mail or in some other form of communication acceptable to the CPM.	Statement of non-discovery		Daily		Not Started	
148	CUL	CUL-6e	CONS	--	At least 24 hours prior to reducing or ending daily reporting, submit to the CPM, for review and approval, a letter or e-mail (or some other form of communication acceptable to the CPM) detailing the CRS's justification for reducing or ending daily reporting.	Written Justification	At least 24 hours prior to reducing or ending daily reporting	TBD		Not Started	



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149	CUL	CUL-6f	CONS	An effort shall be made, as specified in this condition, to obtain a Native American representative to monitor ground disturbance in areas where Native American artifacts may be discovered.	No later than 30 days following the discovery of any Native American cultural materials, submit to the CPM copies of the information transmittal letters sent to the Chairpersons of the Native American tribes or groups who requested the information. Additionally, submit to the CPM copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records.	(If Needed)	Within 30 days after discovery of Native American cultural materials	As-needed	NA	As-needed	
150	CUL	CUL-6g	CONS	--	Within 15 days of receiving them, submit to the CPM copies of any comments or information provided by Native Americans in response to the project owner's transmittals of information.	(If Needed)	Within 15 days of receiving comments or information provided by Native Americans	As-needed	NA	As-needed	
151	CUL	CUL-6h	CONS	The CRS, may informally discuss cultural resource activities with Energy Commission technical staff. Any interference with monitoring activities, removal of a monitor from duties assigned by the CRS, or direction to a monitor to relocate monitoring activities by anyone other than the CRS shall be considered non compliance. Upon becoming aware of any incidents of non-compliance, the CPM shall be notified within 24 hours. The CRS shall also recommend corrective action.	-	(If Needed)	Within 24 hours of non-compliance	As-needed	NA	As-needed	
152	CUL	CUL-6i	CONS	If an incident of non-compliance occurs, when the issue is resolved, the CRS shall write a report describing the issue, the resolution of the issue, and the effectiveness of the resolution measures. This report shall be provided in the next MCR for the review of the CPM.	-	(If Needed)	The next MCR after a non-compliance issue occurs	As-needed	NA	As-needed	
153	CUL	CUL-7a	PC	The CRS, alternate CRS, and CRMs shall have authority to halt project-related ground disturbance in the event of a cultural resource discovery. Employees are to halt work on their own in the vicinity of a potential cultural resource discovery and shall contact their supervisor and the CRS or CRM.	At least 30 days prior to the start of ground disturbance, provide the CPM and CRS with a letter confirming that the CRS, alternate CRS, and CRMs have the authority to halt project-related ground disturbance in the vicinity of a cultural resources discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 hours of a discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	Letter of confirmation	At least 30 days prior to the start of ground disturbance	Complete	3/29/2011	Complete	

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154	CUL	CUL-7b	CONS	In the event of a discovery, the halting or redirection of ground disturbance shall remain in effect until the CRS has visited the discovery, and measures (1) through (4) of this condition [CUL-7] have occurred.	Within 48 hours of the discovery of an archaeological or ethnographic resource, the project owner shall ensure that the CRS notifies all Native American groups that expressed a desire to be notified in the event of such a discovery.	(If Needed)	Within 48 hours of the discovery of an archaeological or ethnographic resource	As-needed	NA	As-needed	
155	CUL	CUL-7c	CONS	--	Unless the discovery can be treated prescriptively, as specified in the CRMMP, completed DPR 523 forms for resources newly discovered during ground disturbance shall be submitted to the CPM for review and approval no later than 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate for the subject cultural resource.	(If Needed)	Within 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate	As-Needed	NA	As-needed	
156	CUL	CUL-8a	CONS	If fill soils must be acquired from or disposed to a non-commercial borrow site without a less-than-five-year-old survey, the CRS shall survey the site(s) for cultural resources and record on DPR 523 forms any that are identified.	As soon as the project owner knows that a non-commercial borrow site and/or disposal site will be used, he/she shall notify the CRS and CPM and provide documentation of previous archaeological survey, if any, dating within the past five years, for CPM approval.	Notification to CRS & CPM/ Previous surveys	As soon as the project owner knows that a non-commercial borrow site and/or disposal site will be used	As-needed	NA	As-needed	
157	CUL	CUL-8b	CONS	When the survey is completed, the CRS shall convey the results and recommendations for further action to the project owner and the CPM, who will determine what, if any, further action is required. If the CPM determines that significant archaeological resources that cannot be avoided are present at the borrow site, other conditions shall apply. The CRS shall report on the methods and results of these surveys in the final CRR	In the absence of documentation of recent archaeological survey, at least 30 days prior to any soil borrow or disposal activities on the non-commercial borrow and/or disposal sites, the CRS shall survey the site/s for archaeological resources. The CRS shall notify the project owner and the CPM of the results of the cultural resources survey, with recommendations, if any, for further action.	Notification of survey results & recommendations	At least 30 days prior to any soil borrow or disposal activities on the non-commercial borrow and/or disposal sites	As-needed	NA	As-needed	
158	HAZ	HAZ-1	OPS	Any hazardous materials not listed in Appendix B shall not be used, or in greater quantities or strengths than those identified by chemical name in Appendix B, unless approved in advance by the CPM.	Provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.	ACR	Annually	On-going		Not Started	
159	HAZ	HAZ-2b	CONS	Copies of the final Business Plan, SPCC Plan, and RMP shall be provided to the ACDEH and the Alameda County Fire Department (ACFD) for information and to the CPM for approval.	At least 30 days prior to delivery of aqueous ammonia to the site, provide the final RMP to the ACDEH and the ACFD for information and to the CPM for approval.	Final HMBP, SPCC and RMP	At least 30 days prior to receiving any hazardous material / aqueous ammonia on the site	3/2/2012		In progress	
160	HAZ	HAZ-3	CONS	Develop and implement a Safety Management Plan, as outlined in this condition [HAZ-3] for delivery of aqueous ammonia and other liquid hazardous materials by tanker truck.	At least 30 days prior to the delivery of any liquid hazardous material to the facility, provide a Safety Management Plan as described in this condition to the CPM for review and approval.	Safety Management Plan	At least 30 days prior to the delivery of any liquid hazardous material to the facility	2/23/2012		submitted to CEC on 2/23/12	

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161	HAZ	HAZ-4	CONS	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620, as described in this condition [HAZ-4].	At least 60 days prior to delivery of aqueous ammonia to the facility, submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the CPM for review and approval.	Final design drawings/specs of ammonia storage tank & secondary containment	At least 60 days prior to delivery of aqueous ammonia to the facility	12/7/2011	1/9/2012	approved	Package resubmitted under HAZ-4 on 11/25/11 for CBO approval. Approved by the CBO on 12/6/11. Package submitted to CEC for approval on 12/7/11.
162	HAZ	HAZ-5	CONS	All vendors delivering aqueous ammonia to the site shall use only tanker truck transport vehicles which meet or exceed the specifications of DOT Code MC-307.	At least 30 days prior to receipt of aqueous ammonia on site, submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	Notification letters re: transport vehicle specs	At least 30 days prior to receipt of aqueous ammonia on site	2/15/2012		submitted 2/15/12 to CEC	
163	HAZ	HAZ-6	PC	Prior to commencing construction, a site-specific Construction Site Security Plan for the construction phase shall be prepared and made available to the CPM for review and approval. The Construction Security Plan shall include items (1) through (3) of this condition [HAZ-6].	At least 30 days prior to commencing construction, notify the CPM that a site-specific Construction Security Plan is available for review and approval.	Notification of Security Plan Availability	At least 30 calendar days prior to start of construction	Complete	5/16/2011	Complete	
164	HAZ	HAZ-7a	CONS	Prepare a site-specific security plan, as described in this condition [HAZ-7], for the commissioning and operational phases that will be available to the CPM for review and approval. The level of security to be implemented shall not be less than that described in (1) through (6) of this condition (as per NERC 2002). Fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans.	At least 30 days prior to the initial receipt of hazardous materials on site, notify the CPM that a site-specific operations site security plan is available for review and approval.	Notification of Site Specific Operations Security Plan Availability	At least 30 days prior to the initial receipt of hazardous materials on site	3/2/2012		In progress	
165	HAZ	HAZ-7b	OPS	Revise the existing or prepare a new site-specific security plan, as described in this condition [HAZ-7], for the commissioning and operational phases that will be available to the CPM for review and approval. The level of security to be implemented shall not be less than that described in (1) through (6) of this condition (as per NERC 2002). Fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans.	In the annual compliance report, include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. In the annual compliance report, include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations.	ACR	Annually	On-going		Not Started	

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166	HAZ	HAZ-8a	CONS	The project owner shall not allow any fuel gas pipe cleaning activities on site, either before placing the pipe into service or at any time during the lifetime of the facility, that involve "flammable gas blows" where natural (or flammable) gas is used to blow out debris from piping and then vented to atmosphere. Instead, an inherently safer method involving a non-flammable gas (e.g. air, nitrogen, steam) or mechanical pigging shall be used. Exceptions to any of these provisions will be made only if no other satisfactory method is available, and then only with the approval of the CPM.	At least 30 days before any fuel gas pipe cleaning activities involving fuel gas pipe of four-inch or greater external diameter, submit a copy of the Fuel Gas Pipe Cleaning Work Plan which shall indicate the method of cleaning to be used, what gas will be used, the source of pressurization, and whether a mechanical PIG will be used, to the CBO for information and to the CPM for review and approval.	Fuel Gas Pipe Cleaning Work Plan	At least 30 days before fuel gas pipe cleaning activities	2/21/12 LG Plan Submitted	1/24/12 PG&E plan approved	partially approved	PG&E plans submitted and approved. LG plan submitted 2/21/12
167	HAZ	HAZ-8b	OPS	The project owner shall not allow any fuel gas pipe cleaning activities on site, either before placing the pipe into service or at any time during the lifetime of the facility, that involve "flammable gas blows" where natural (or flammable) gas is used to blow out debris from piping and then vented to atmosphere. Instead, an inherently safer method involving a non-flammable gas (e.g. air, nitrogen, steam) or mechanical pigging shall be used. Exceptions to any of these provisions will be made only if no other satisfactory method is available, and then only with the approval of the CPM.	At least 30 days before any fuel gas pipe cleaning activities involving fuel gas pipe of four-inch or greater external diameter, submit a copy of the Fuel Gas Pipe Cleaning Work Plan which shall indicate the method of cleaning to be used, what gas will be used, the source of pressurization, and whether a mechanical PIG will be used, to the CBO for information and to the CPM for review and approval.	Fuel Gas Pipe Cleaning Work Plan	At least 30 days before fuel gas pipe cleaning activities	As-needed or as required by regulatory authority		Not Started	
168	LAND	LAND-1a	PC	The water supply pipeline on the Byron Bethany Irrigation District (BBID) property shall be constructed in compliance with BBID standards, including a minimum three foot cover. Construction shall be scheduled so as not to conflict with agricultural operations.	At least 30 calendar days prior to start of construction, submit to the CPM for review and approval, (1) documentation showing construction of the section of water supply pipeline on the BBID property will be carried out consistent with BBID's standards for pipeline construction and (2) a construction schedule that does not conflict with the agricultural use of the land.	Documentation re: Water Pipeline & construction schedule	At least 30 calendar days prior to start of construction	Complete	4/28/2011	Complete	
169	LAND	LAND-1b	CONS	Once construction of the water supply pipeline has been completed, the land shall be returned to pre-construction site conditions.	Once construction is completed, submit to the CPM documentation showing the area disturbed by construction activities has been returned to pre-construction conditions.	Documentation re: restored area	Once construction is completed	3/15/2012		Not Started	
170	LAND	LAND-2	CONS	Provide year-round water supply for grazing livestock on the remaining 146 acres of the subject property for the life of the project.	At least 30 calendar days prior to start of operation submit to the CPM evidence that a year-round water supply for livestock has been installed and water supply is maintained on a monthly basis for the life of the project.	Evidence of livestock water supply	At least 30 calendar days prior to start of Operation	5/2/2012		Not Started	

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171	LAND	LAND-3	OPS	Reseed the temporary construction laydown area on the project property with an improved seed mix over what site conditions currently provide.	Within 120 calendar days after commercial operation, submit to the CPM evidence that the construction laydown area has been re-seeded and a management plan that ensures the re-seeded area will be maintained and suitable for grazing for the life of the project.	Evidence of laydown area re-seeding / Management Plan	Within 120 calendar days after commercial operation	9/29/2012		In Progress	Revegetation plan drafted as part of VIS 2, submitted to CEC on 10/31/11, approved on 12/1/11.
172	LAND	LAND-4	PC	Communication devices used by the project that operate over radio frequencies shall not conflict with frequencies used by Byron Airport and the surrounding airports; specifically frequencies 114 through 117, 123, 203, and 374 MHz shall be avoided.	At least 30 days prior to project construction, provide documentation to the Director of Airports with Contra Costa County for review and comment and to the CPM for review and approval, showing project communication devices will not conflict with the frequencies used by the Byron Airport and surrounding airports. Any comments received from the Director of Contra Costa County Airports shall be forwarded to the CPM without delay.	Documentation re: no conflicts with project communication devices / Airport director comments	At least 30 calendar days prior to start of construction	Complete	4/8/2011	Complete	
173	NOISE	NOISE-1	PC	PUBLIC NOTIFICATION PROCESS: Prior to the demolition of the existing structures at the project site, notify all residents and business owners within one mile of the project site boundaries and within ½-mile of the linear facilities, of the commencement of project construction. Establish a telephone number, as outlined in this condition [NOISE-1] for use by the public to report any undesirable noise conditions.	At least 15 days prior to the start of demolition, transmit to the CPM a statement, signed by the project owner's project manager, stating that the notification has been performed, and describing the method of that notification. This communication shall also verify that the telephone number has been established and posted at the site, and shall provide that telephone number.	Statement of notification completion & establishment of telephone number	At least 15 days prior to the start of demolition	Complete	5/16/2011 5/23/11	Complete	
174	NOISE	NOISE-2a	CONS	NOISE COMPLAINT PROCESS: Throughout the demolition, construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2].	Within five days of receiving a noise complaint, file a Noise Complaint Resolution Form, with both the local jurisdiction and the CPM, that documents the resolution of the complaint. If mitigation is required to resolve a noise complaint, and the complaint is not resolved within a three-day period, submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	Noise Complaint Resolution Form	Within five days of receiving a noise complaint	On-going	NA	In-progress	

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175	NOISE	NOISE-2b	OPS	NOISE COMPLAINT PROCESS: Throughout the demolition, construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2].	Within five days of receiving a noise complaint, file a Noise Complaint Resolution Form, with both the local jurisdiction and the CPM, that documents the resolution of the complaint. If mitigation is required to resolve a noise complaint, and the complaint is not resolved within a three-day period, submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	Noise Complaint Resolution Form	Within five days of receiving a noise complaint	On-going	NA	Not Started	
176	NOISE	NOISE-3	PC	EMPLOYEE NOISE CONTROL PROGRAM: Submit to the CPM for review and approval a noise control program to reduce employee exposure to high (above permissible) noise levels during construction in accordance to the applicable OSHA and Cal-OSHA standards.	At least 30 days prior to the start of demolition, submit the noise control program to the CPM. Make the program available to Cal-OSHA upon request.	Noise Control Program	At least 30 days prior to the start of demolition	Complete	4/21/2011	Complete	
177	NOISE	NOISE-4a	CONS	NOISE RESTRICTIONS: The project design and implementation shall include appropriate noise mitigation measures as described in this condition [NOISE-4].	The 25-hour community noise survey shall take place within 30 days of the project first achieving a sustained output of 90% or greater of rated capacity.	--	Within 30 days of the project first achieving a sustained output of 90% or greater of rated capacity	7/3/2012		Not Started	
178	NOISE	NOISE-4b	CONS	NOISE RESTRICTIONS	Within 15 days after completing the survey, submit a summary report of the survey to the CPM. Included in the survey report will be the measures described in this condition. Included in the survey report will be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures.	Survey Summary Report	Within 15 days after completing the noise survey	7/8/2012		Not Started	
179	NOISE	NOISE-4c	CONS	NOISE RESTRICTIONS	When the measures are in place, repeat the noise survey. Within 15 days of completion of the new survey, submit to the CPM a summary report of the new noise survey, performed as described above and showing compliance with this condition.	(If Needed)	Within 15 days of completion of the new noise survey	As-needed	NA	Not Started	
180	NOISE	NOISE-5	CONS	OCCUPATIONAL NOISE SURVEY: Following the project's attainment of a sustained output of 90% or greater of its rated capacity, conduct an occupational noise survey to identify any noise hazardous areas in the facility. A report shall be prepared of the survey results and, if necessary, proposed mitigation measures to be employed in order to comply with the applicable California and federal regulations.	Within 30 days after completing the occupational noise survey, submit the noise survey report to the CPM. Make the report available to OSHA and Cal-OSHA upon request.	Occupational Noise Survey Report	Within 30 days after completing the occupational noise survey	7/15/2012		Not Started	

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181	NOISE	NOISE-6	PC	CONSTRUCTION RESTRICTIONS: Heavy equipment operation and noisy construction work shall be restricted to the times delineated in this condition [NOISE-6], unless the CPM in consultation with Alameda County authorizes longer hours. Haul trucks and other engine-powered equipment shall be equipped with adequate mufflers. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use shall be limited to emergencies.	Prior to demolition, a statement acknowledging that the restrictions in this condition will be observed throughout the construction of the project shall be transmit to the CPM.	Statement of acknowledgment	Prior to demolition	Complete	4/14/2011	Complete	
182	SOCIO	SOCIO-1	PC	Pay the one-time statutory school facility development fee as required by Education Code Section 17620.	At least 30 days prior to the start of project construction, provide to the CPM proof of payment of the statutory development fee. The payment shall be provided to the Mountain House Elementary School District (75%)/Tracy Unified School District (25%).	Payment / Proof of payment	At least 30 calendar days prior to start of construction	Complete	5/12/2011	Complete	
183	S&W	SOIL & WATER-1a	PC	Comply with the requirements of the General National Pollutant Discharge Elimination System (NPDES) permit for discharges of storm water associated with MEP construction activity. In order to comply, develop and implement a Storm Water Pollution Prevention Plan (SWPPP) for the construction of the entire proposed project site, laydown areas, and linear areas.	At least 60 days before construction begins, submit a copy of the construction SWPPP to the Alameda County Flood Control and Water Conservation District and the Contra Costa County Grading Division for review.	Construction SWPPP	At least 60 days before construction begins	Complete	6/6/2011	Complete	Revised plan submitted 6/27/11
184	S&W	SOIL & WATER-1b	PC	SWPPP	At least 30 days before construction begins, submit copies to the CPM of all correspondence between the project owner and the Central Valley Regional Water Quality Control Board (RWQCB) regarding the General NPDES permit, including copies of the Notice of Intent and the Notice of Termination for project construction.	Copies of Correspondence	At least 30 calendar days prior to start of construction	Complete	6/1/2011	Complete	Revised plan submitted 6/27/11
185	S&W	SOIL & WATER-2a	PC	Prior to site mobilization, obtain CPM approval for a site-specific Drainage, Erosion, and Sedimentation Control Plan (DESCP) for both the construction and operation. The DESCP shall contain the elements outlined in this condition [SOIL&WATER-2].	No later than 90 days prior to start of site mobilization, submit a copy of the DESCP to Alameda County for review and comment.	Draft DESCP	At least 90 days prior to the start of site mobilization	Complete	3/8/2011	Complete	Revised plan submitted 6/27/11
186	S&W	SOIL & WATER-2b	PC	DESCP	A copy of the DESCP shall be submitted to the CPM no later than 60 days prior to the start of site mobilization for review and approval. The CPM shall consider comments received from Alameda County.	Draft DESCP w/ County Comments	At least 60 days prior to the start of site mobilization	Complete	6/6/2011	Complete	

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187	S&W	SOIL & WATER-2c	CONS	DESCP	During construction, provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sediment-control measures and the results of monitoring and maintenance activities.	MCR	Monthly	On-going	NA	In-progress	
188	S&W	SOIL & WATER-2d	OPS	DESCP	Once operational, provide in the annual compliance report information on the results of stormwater BMP monitoring and maintenance activities.	ACR	Annually	On-going	NA	Not Started	
189	S&W	SOIL & WATER-3a	CONS	Comply with the requirements of the General NPDES permit for discharges of storm water associated with industrial activity. Develop and implement a SWPPP for the operation of the site. Ensure that only stormwater is discharged onto the site.	At least 30 days prior to commercial operation, submit the MEP operational SWPPP to the CPM.	Operation SWPPP	At least 30 days prior to commercial operation	5/2/2012		Not Started	
190	S&W	SOIL & WATER-3b	CONS	Comply with the requirements of the General NPDES permit for discharges of storm water associated with industrial activity. Develop and implement a SWPPP for the operation of the site. Ensure that only stormwater is discharged.	Within 10 days of mailing or receipt of the operational SWPPP, submit to the CPM any correspondence, as specified by this condition, between the project owner and the RWQCB about the general NPDES permit for discharge of storm water associated with industrial activity. This information shall include a copy of the notice of intent sent by the project owner to the State Water Resources Control Board. A letter from the RWQCB indicating that there is no requirement for a general NPDES permit for discharges of storm water associated with industrial activity would satisfy this condition.	Copies of Correspondence	Within 10 days of mailing or receipt	5/17/2012		Not Started	
191	S&W	SOIL & WATER-4a	CONS	Water used for project operation shall be raw surface water from BBID. Pumping or purchasing groundwater is prohibited. Water use shall not exceed the annual water-use limit of 187 acre-feet per year. The project owner shall monitor and record the total water used on a monthly basis, as outlined in this condition [SOIL & WATER-4]. A date shall be established for the annual compliance report (ACR) submittal, and the ACR shall include the elements described in this condition. The project owner shall work with BBID to implement a water conservation program, as outlined in this condition. The water conservation program(s) shall be provided to the CPM for review and approval. Contributions to a water conservation program are not required for use of recycled water during construction or operation.	At least 60 days prior to commercial operation, submit to the CPM evidence that metering devices have been installed and are operational on the water supply and distribution systems.	Evidence of metering device installation	At least 60 days prior to commercial operation	2/16/2012		submitted to CEC 2/16/12	



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192	S&W	SOIL & WATER-4b	OPS	--	When the metering devices are serviced, tested and calibrated, provide a report summarizing these activities in the next annual compliance report. The project owner, in the annual compliance report, shall provide a Water Use Summary that states the source and quantity of raw surface water used on a monthly basis and on an annual basis in units of acre-feet. Prior annual water use including yearly range and yearly average shall be reported in subsequent annual compliance reports (ACR).	ACR	Annually	On-going	NA	Not Started	
193	S&W	SOIL & WATER-4c	PC	--	At least 30 days prior to construction, submit the water conservation program(s) by the selected local water agency(s) to the CPM for review and approval. The water conservation program shall include elements (a) through (d) of this condition [SOIL&WATER-4].	Water Conservation Program(s)	At least 30 calendar days prior to start of construction	Complete	6/6/2011	Complete	
194	S&W	SOIL & WATER-4d	CONS	--	Provide proof that the initial contribution to the water conservation program was paid to a CPM-approved water conservation program prior to site operations. Annual use payments shall be determined based upon the approved rate on per acre-foot of fresh water reported annually in the ACR.	Proof of initial contribution	Prior to Operation	2/23/2012		In Progress	Submitted photo documentation of completion of Water Conservation Program project to CEC on 2/23/12. Site verification visit scheduled for 3/8/12
195	S&W	SOIL & WATER-4e	OPS	--	Annual use payments shall be determined based upon the approved rate on per acre-foot of fresh water reported annually in the ACR. Annual use payments to a water conservation program, confirmed by the CPM, shall be made no later than 60 days following CPM approval of the ACR.	Annual Use Payments	No later than 60 days following CPM approval of the ACR	TBD		Not Started	

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196	S&W	SOIL & WATER-4f	OPS	--	Provide data and a report to the CPM describing the water conservation program with estimates of the annual "calculated" water saved in acre-feet in the subsequent ACR. Payments for longer return period capital improvements should be accounted for using standard engineering economic analysis. Water use at MEP should also be tracked in an annual water use account. Once a long return period project is implemented and water conservation begins, water conservation should also be tracked on an annual basis. Conserved water from MEP funded projects should be deducted from the MEP water use account on an annual basis. Payment history, project funding, and MEP water use and conservation accounting shall be documented in the ACR.	ACR	Annually	On-going	NA	Not Started	
197	S&W	SOIL & WATER-5	OPS	Wastewater shall not be discharged, other than non-contact stormwater, and evidence shall be provided that industrial wastewater and contact stormwater are being disposed of at an appropriately licensed facility.	Provide evidence to the CPM of proper industrial wastewater disposal, via a licensed hauler to an appropriately licensed facility, in the annual compliance report.	ACR	Annually	On-going	NA	Not Started	
198	TRANS	TRANS-1	CONS	Roadway Use Permits and Regulations: Comply with limitations imposed by Caltrans District 4 and other relevant jurisdictions, on vehicle sizes and weights, driver licensing, and truck routes. In addition, the project owner or its contractor shall obtain necessary transportation permits from Caltrans and all relevant jurisdictions for roadway use.	In the MCRs, report permits received during that reporting period. In addition, retain copies of permits and supporting documentation on-site for CPM inspection if requested.	MCR	Monthly	On-going	NA	In-progress	Copies on file at jobsite, permit numbers included in MCR.
199	TRANS	TRANS-2a	PC	Restoration of All Public Roads, Easements, and Rights-of-Ways: Restore all public roads, easements, and rights-of-ways that have been damaged due to project-related construction activities in a timely manner. Prior to the start of site mobilization, notify the relevant jurisdictions of the proposed schedule for project construction, request that these jurisdictions consider postponement of planned activities, and coordinate any concurrent construction-related activities that cannot be postponed.	Prior to the start of site mobilization, photograph or videotape all affected public roads, easements, right-of-way segment(s), and/or intersections and provide the CPM, the affected local jurisdiction(s), and Caltrans District 4 (if applicable) with a copy of these images.	Photo/Video of pre-project road conditions	Prior to the start of site mobilization	Complete	6/8/2011	Complete	
200	TRANS	TRANS-2b	CONS	Restoration of All Public Roads, Easements, and Rights-of-Ways	Within 60 calendar days of completion of construction, meet with the CPM, the affected local jurisdiction(s), and Caltrans District 4 (if applicable) to identify sections of public right-of-way to be repaired. At that time, establish a schedule for completion and approval of the repairs.	--	Within 60 calendar days of completion of construction	7/30/2012		Not Started	

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201	TRANS	TRANS-2c	CONS	Restoration of All Public Roads, Easements, and Rights-of-Ways	Following completion of any public right-of-way repairs, provide to the CPM letters signed by the affected local jurisdiction(s) and Caltrans District 4 stating their satisfaction with the repairs.	Letters from Caltrans	Following completion of any public right-of-way repairs	TBD		Not Started	Debi to video tape road the day construction is complete.
202	TRANS	TRANS-3a	PC	Traffic Control Plan, Heavy Hauling Plan, and Parking/Staging Plan: Prior to the start of construction, prepare a Traffic Control Plan (TCP) for the MEP's construction and operations traffic, as outlined in this condition [TRANS-2]. Submit the proposed TCP to the Caltrans District 4 office and to the affected local jurisdictions in sufficient time for review and comment, and to the CPM for review and approval prior to the proposed start of construction and implementation of the plan.	At least 60 calendar days prior to the start of construction, submit the TCP to the applicable agencies for review and comment and to the CPM for review and approval. Also provide the CPM with a copy of the transmittal letter to the agencies requesting review and comment.	TCP / Transmittal letters	At least 60 calendar days prior to the start of construction	Complete	6/8/2011	Complete	
203	TRANS	TRANS-3b	PC	Traffic Control Plan, Heavy Hauling Plan, and Parking/Staging Plan	At least 30 calendar days prior to the start of construction, provide copies of any comment letters received from the agencies, along with any changes to the proposed development plan, to the CPM for review and approval.	Final TCP / comments received	At least 30 calendar days prior to the start of construction	Complete	6/8/2011	Complete	
204	TRANS	TRANS-4a	PC	Encroachment into Public Rights-of-Way: Prior to any ground disturbance, improvements, or obstruction of traffic, coordinate with all relevant jurisdictions to obtain all required encroachment permits and comply with all applicable regulations.	At least 10 days prior to ground disturbance or interruption of traffic in or along any public road, easement, or right-of-way, provide copies of all permit(s), relevant to the affected location(s), received from Caltrans or any other affected jurisdiction/s to the CPM.	Copies of Permits Received	At least 10 days prior to ground disturbance or interruption of traffic in or along any public road, easement, or right-of-way	Complete	6/1/2011	Complete	Alameda County Encroachment permits submitted 6/24/11. Contra Costa Permit submitted in first MCR.
205	TRANS	TRANS-4b	OPS	Encroachment into Public Rights-of-Way	Retain copies of the issued/approved permit(s) and supporting documentation in the compliance file for a minimum of 180 calendar days after the start of commercial operation.	--	At least 180 calendar days after the start of commercial operation	On-going	NA	Not Started	
206	TRANS	TRANS-5a	CONS	Transportation of Hazardous Materials: Obtain the necessary permits and/or licenses, comply with all applicable regulations, and implement the proper procedures for the transportation of hazardous materials. In addition, the owner shall ensure that hazardous materials deliveries occur outside of normal commute hours.	In the MCRs, the owner shall provide copies of all permits/licenses obtained for the transportation of hazardous substances.	MCR	Monthly	On-going	NA	In-progress	
207	TRANS	TRANS-6a	PC	Payment of Transportation Fees: Where applicable, pay traffic and transportation fees to Alameda County for development of the MEP. These fees may include but not be limited to the Tri-Valley transportation development fee and the cumulative traffic impact mitigation fee.	At least 30 days prior to the start of ground disturbance, submit plans for the proposed MEP to Alameda County, pay any necessary transportation-related fees, and provide documentation of exemption or payment to the CPM.	Plans, and proof of fee payment or exemption	At least 30 days prior to the start of ground disturbance	Complete	5/19/2011	Complete	

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208	TRANS	TRANS-6b	OPS	Payment of Transportation Fees	Retain copies of documentation in the compliance file for a minimum of 180 calendar days after the start of commercial operation.	--	At least 180 calendar days after the start of commercial operation	On-going	NA	Not Started	
209	TRANS	TRANS-7a	PC	Obstruction Marking and Lighting: Install obstruction marking and lighting on the exhaust stacks, consistent with FAA requirements, as expressed in the documents listed in this condition [TRANS-7]. Permanent lighting shall be installed and activated as outlined in this condition.	At least 60 days prior to the start of construction, submit to the CPM for approval final design plans for the power plant exhaust stacks that depict the required air traffic obstruction marking and lighting.	Final exhaust stack lighting plans	At least 60 days prior to the start of construction	12/29/2011	1/17/2012	approved	
210	TRANS	TRANS-7b	CONS	Obstruction Marking and Lighting	Within 5 days of completion of exhaust stack construction and prior to the start of plant operation, install and activate permanent obstruction marking and lighting consistent with FAA requirements.	--	Within 5 days of completion of exhaust stack construction and prior to the start of plant operation	2/26/2012		Not Started	
211	TRANS	TRANS-7c	CONS	Obstruction Marking and Lighting	Inform the CPM in writing within 10 days of installation and activation of permanent obstruction marking and lighting. The lighting shall be inspected and approved by the CPM (or designated inspector) within 30 days of activation.	Notification to CPM	Within 10 days of installation and activation of permanent obstruction marking and lighting	3/27/2012		Not Started	
212	TRANS	TRANS-8a	CONS	Pilot Notification and Awareness: Initiate the actions outlined in this condition [TRANS-8] to ensure pilots are aware of the project location and potential hazards to aviation.	Within 30 days following the start of construction, submit draft language for the letters of request to the FAA (including NORCAL TRACON) and Byron Airport to the CPM for review and approval.	Draft Letters of Request	Within 30 days following the start of construction-Coming up soon	7/29/2011		Complete	
213	TRANS	TRANS-8b	CONS	Pilot Notification and Awareness	At least 60 days prior to the start of operations, submit the required letters of request to the FAA and request that TRACON (NORCAL) submit aerodrome remarks to the listed agencies. Submit copies of these requests to the FAA and TRACON (NORCAL) to the CPM.	Letters of Request	At least 60 days prior to the start of operations	4/2/2012	9/13/2011	Partially complete: NOTAM and AWOS filed on 9/30/11	Received e-mail confirmation of FAA receipt of Data Change, Aeronautical Charge Change and Terminal Air Chart Change on 9/13/11. Airport Facility Directory (AFD changes accepted and published December 15, 2011.)
214	TRANS	TRANS-8c	CONS	Pilot Notification and Awareness	A copy of any resulting correspondence shall be submitted to the CPM within 10 days of receipt.	Copies of Correspondence	Within 10 days of receipt	As-needed	NA	As-needed	
215	TRANS	TRANS-8d	CONS	Pilot Notification and Awareness	If a response from any of the agencies is not received within 45 days of the request (or by 15 days prior to the start of operations), follow up with a letter to the respective agency/ies to confirm implementation of the request.	(If Needed)	Within 45 days of submitting the request (or by 15 days prior to the start of operations)	As-needed	NA	As-needed	

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216	TRANS	TRANS-8e	CONS	Pilot Notification and Awareness	Contact the CPM within 72 hours if notified that any or all of the requested notices cannot be implemented. Should this occur, the project owner shall appeal such a determination, consistent with any established appeal process and in consultation with the CPM. A final decision from the jurisdictional agency denying the request, as a result of the appeal process, shall release the project owner from any additional action related to that request and shall be deemed compliance with that portion of this condition.	(If Needed)	Within 72 hours of being notified that any or all of the requested notices cannot be implemented	As-needed	NA	As-needed	
217	TLSN	TLSN-1	PC	Construct the proposed 230-kV transmission lines according to the requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2, High Voltage Electrical Safety Orders, sections 2700 through 2974 of the California Code of Regulations, and PG&E's EMF-reduction guidelines.	At least 30 days before starting the construction of the transmission line or related structures and facilities, submit to the CPM a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the requirements stated in this condition.	Letter of Confirmation	At least 30 days before starting the upgrade of the transmission line or related structures and facilities	13-Jul-11	14-Jul-11	Complete	
218	TLSN	TLSN-2a	OPS	Use a qualified individual to measure the strengths of the electric and magnetic fields from each line as outlined in this condition. These measurements shall be completed not later than six months after the start of operations.	These measurements shall be completed not later than six months after the start of operations.	--	Within 6 months after the start of operations	11/28/2012		Not Started	
219	TLSN	TLSN-2b	OPS	--	File copies of the post-energization measurements with the CPM within 60 days after completion of the measurements.	Post-energization Measurements	Within 60 days of the post-energization measurements	12/28/2012		Not Started	
220	TLSN	TLSN-3	OPS	The rights-of-way of the proposed transmission lines shall be kept free of combustible material as required under the provisions of section 4292 of the Public Resources Code and section 1250 of Title 14 of the California Code of Regulations.	During the first 5 years of plant operation, provide a summary of inspection results and any fire prevention activities carried out along the right-of-way of the line and provide such summaries in the Annual Compliance Report.	ACR	Annually	On-going	NA	Not Started	
221	TLSN	TLSN-4	CONS	Ensure that all permanent metallic objects within the rights-of-way of the project-related line is grounded according to industry standards.	At least 30 days before the line is energized, transmit to the CPM a letter confirming compliance with this condition.	Letter of Confirmation	At least 30 days before the lines are energized	2/16/2012		submitted 2/16/12 to CEC	
222	VIS	VIS-1a	PC	Surface Treatment of Project Structures and Buildings: Color and finish the surfaces of all project structures and buildings visible to the public. Transmission line conductors and insulators shall be non-specular and non-reflective. A surface treatment plan shall be submitted to the CPM for approval that includes measures (A) through (E) of this condition.	At least 45 days prior to applying vendor color(s) and finish(es) for structures or buildings to be surface treated during manufacture, submit the proposed treatment plan to the CPM.	Proposed Surface Treatment Plan	At least 45 days prior to applying vendor color(s) and finish(es) for structures or buildings	Complete	5/9/2011	Complete	

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223	VIS	VIS-1b	CONS	Surface Treatment of Project Structures and Buildings: The applicant shall not request vendor surface treatment of any buildings or structures during their manufacture, or perform final field treatment on any buildings or structures, until the applicant has received treatment plan approval by the CPM.	If the CPM determines that the plan requires revision, provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for approval.	(If Needed)	Prior to applying any treatment	As-needed	5/9/2011	Complete	Plan approved by CEC
224	VIS	VIS-1c	OPS	Surface Treatment of Project Structures and Buildings: The applicant shall notify the CPM that surface treatment of all listed structures and buildings has been completed and is ready for inspection; and shall submit one set of electronic color photographs from KOPs 1 and 3 showing the "as built" surface treated structures and buildings.	Within 90 days after the start of commercial operation, notify the CPM that surface treatment of all listed structures and buildings has been completed and is ready for inspection; and submit one set of electronic color photographs from KOPs 1 and 3 showing the "as built" surface treated structures and buildings.	Notification of surface treatment completion and photographs from KOPs 1 & 3	Within 90 days after the start of operations	8/30/2012		Not Started	
225	VIS	VIS-1d	OPS	Surface Treatment of Project Structures and Buildings: The surface treatment plan shall include a procedure to ensure proper treatment maintenance for the life of the project.	Provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) major maintenance activities that occurred during the reporting year; and c) the schedule of major maintenance activities for the next year.	ACR	Annually	On-going	NA	Not Started	
226	VIS	VIS-2	CONS	Surface Restoration: Remove all evidence of temporary construction activities, and restore the ground surface to the original condition or better including the replacement of any vegetation during construction where project development does not preclude it. Submit to the CPM for approval and implement a surface restoration plan.	At least 60 days prior to the start of commercial operation, submit the surface restoration plan to the CPM for approval.	Surface Restoration Plan	At least 60 days prior to the start of commercial operation	10/31/2011	11/17/2011	approved	VIS-2 plan resubmitted on November 15 and approved on 12/1/11.
227	VIS	VIS-2b	CONS	Surface Restoration	If the CPM notifies the applicant that revisions of the surface restoration plan are needed, within 30 days of receiving that notification submit to the CPM a plan with the specified revisions.	(If Needed)	Within 30 days of receiving notification	11/15/2011	12/1/2011	Complete	
228	VIS	VIS-2c	CONS	Surface Restoration	Complete surface restoration within 60 days after the start of commercial operation. Notify the CPM within seven days after completion of surface restoration that the restoration is ready for inspection.	Notification to CPM	Within 60 days after the start of commercial operation	July 31, 2012		Not started	
229	VIS	VIS-3a	CONS	Construction Activity Lighting: To the extent feasible given safety and security concerns, lighting on the construction site and the construction laydown area shall minimize potential night lighting impacts, as outlined in (A) through (D) of this condition [VIS-3]	Within 7 days after the first use of construction lighting, notify the CPM that the lighting is ready for inspection.	Notification to CPM	Within 7 days after the first use of construction lighting	10/27/2011	10/31/2011	approved	Notice Submitted to CEC on 10/27/11

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230	VIS	VIS-3b	CONS	Construction Activity Lighting	If the CPM notifies the applicant that modifications to the lighting are needed to minimize impacts, within 15 days of receiving that notification implement the necessary modifications and notify the CPM that the modifications have been completed.	(If Needed)	Within 15 days of receiving notification	As-needed	NA	As-needed	
231	VIS	VIS-3c	CONS	Construction Activity Lighting: If the applicant receives a complaint about construction lighting, the applicant shall notify the CPM and shall use the complaint resolution form included in the General Conditions section of the Compliance Plan to record each lighting complaint and to document the resolution of that complaint. The applicant shall provide a copy of each complaint form to the CPM.	Within 48 hours of receiving a lighting complaint, provide to the CPM; a) a report of the complaint, b) a proposal to resolve the complaint, and c) a schedule for implementation of the proposal.	(If Needed)	Within 48 hours of receiving a lighting complaint	As-needed	NA	As-needed	
232	VIS	VIS-3d	CONS	Construction Activity Lighting	Notify the CPM within 48 hours after completing implementation of the proposal to resolve the lighting complaint.	(If Needed)	Within 48 hours of implementing the proposal to resolve a lighting complaint	As-needed	NA	As-needed	
233	VIS	VIS-3e	CONS	Construction Activity Lighting	Provide a copy of the completed complaint resolution form to the CPM in the next Monthly Compliance Report.	(If Needed)	--	As-needed	NA	As-needed	
234	VIS	VIS-4a	PC	Permanent Exterior Lighting: To the extent feasible, consistent with safety and security considerations and commercial availability, design and install all permanent exterior lighting as described in measures (A) through (I) of this condition [VIS-4]. Provide to the CPM a lighting management plan that includes at a minimum the elements described in this condition.	At least 60 days prior to ordering any permanent exterior lighting, submit to the CPM for approval a lighting management plan. If the CPM determines that the lighting management plan requires revision, provide to the CPM a plan with the specified revision(s) for approval. No exterior lighting should be ordered until receiving CPM approval of the lighting management plan.	Lighting Mitigation Plan	At least 60 days prior to ordering any permanent exterior lighting	12/5/11-main site	12/15/2011	Approved	
235	VIS	VIS-4b	CONS	Permanent Exterior Lighting	Prior to commercial operation, notify the CPM that the lighting has been installed and is ready for inspection.	Notification to CPM	Prior to commercial operation	6/1/2012		Not Started	
236	VIS	VIS-4c	CONS	Permanent Exterior Lighting	If after inspection the CPM notifies the applicant that modifications to the lighting are needed, within 30 days of receiving notification implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection.	(If Needed)	Within 30 days of receiving notification	As-needed	NA	As-needed	
237	VIS	VIS-4d	OPS	Permanent Exterior Lighting: The lighting management plan that includes a process for addressing and mitigating lighting related complaints.	Within 10 days of receiving a project-related lighting complaint, provide the CPM with a complaint resolution form report as specified in the Compliance General Conditions including a proposal to resolve the complaint, and a schedule for implementation.	(If Needed)	Within 10 days of receiving a project-related lighting complaint	As-needed	NA	As-needed	

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238	VIS	VIS-4e	OPS	Permanent Exterior Lighting	Notify the CPM within 10 days after completing implementation of the proposal.	(If Needed)	Within 10 days of implementing a proposal to resolve a lighting complaint	As-needed	NA	As-needed	
239	VIS	VIS-4f	OPS	Permanent Exterior Lighting	A copy of the complaint resolution form report shall be submitted to the CPM within 30 days of complaint resolution.	(If Needed)	Within 30 days of complaint resolution	As-needed	NA	As-needed	
240	VIS	VIS-5a	CONS	Publicly Visible Project-Related Signage: Any publicly visible signage shall be the minimal signage visible to the public, and shall follow (a) and (b) of this condition [VIS-5]. The design of any signs required by safety regulations shall conform to the criteria established by those regulations. The applicant shall submit a sign plan for publicly visible signs for the project to the Director of the Alameda County Community Development Agency Planning Department for comment and to the CPM for approval. The applicant shall not implement the plan until the applicant receives approval of the submittal from the CPM.	At least 30 days prior to installing publicly visible signs, submit a sign plan for the project to the Director of the Alameda County Community Development Agency Planning Department for comment and to the CPM for approval. Provide a copy of the Director of the Alameda County Community Development Agency Planning Department comments to the CPM.	Sign Plan & County Comments	At least 30 days prior to installing publicly visible signs	3/16/2012		In-progress	
241	VIS	VIS-5b	CONS	Publicly Visible Project-Related Signage	If the CPM determines that the sign plan requires revision, provide to the CPM a plan with the specified revision(s) for approval by the CPM before any signage visible to the public is installed.	(If Needed)	Prior to installing signage visible to the public	As-needed	NA	As-needed	
242	VIS	VIS-5C	CONS	Publicly Visible Project-Related Signage	Inform the CPM that the publicly visible signs have been installed and provide the CPM with electronic color photographs of the installed signage.	Notification of installation & photographs	?	TBD		Not Started	
243	VIS	VIS-6a	CONS	Landscaping: Provide a comprehensive landscaping and irrigation plan, as described in this condition [VIS-6]. Landscaping shall be installed or bonded prior to the start of commercial operation. In no event shall landscaping be installed any later than 6 months after the start of commercial operation. The applicant shall not implement the landscaping and irrigation plan until the applicant receives approval from the CPM. Planting must be completed or bonded by the start of commercial operation, and the planting must occur during the optimal planting season, but not later than 6 months after the start of commercial operation.	Prior to commercial operation and at least 60 days prior to installing the landscaping, provide a copy of the landscaping and irrigation plan to the Director of the Alameda County Community Development Agency Planning Department for review and to the CPM for approval. Provide to the CPM a copy of the transmittal letter submitted to the Director of the Alameda County Community Development Agency Planning Department requesting their review.	Landscaping & Irrigation Plan / County Transmittal Letter & Comments	Prior to commercial operation and at least 60 days prior to installing the landscaping	2/29/2012		Submitted to Alameda County on 2/29/12 for review and approval, CEC copied	



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244	VIS	VIS-6b	CONS	Landscaping: Provide a comprehensive landscaping and irrigation plan, as described in this condition [VIS-6]. Landscaping shall be installed or bonded prior to the start of commercial operation. The applicant shall not implement the landscaping and irrigation plan until the applicant receives approval from the CPM. Planting must be completed by the start of commercial operation, and the planting must occur during the optimal planting season.	Notify the CPM within 7 days after completing installation of the landscaping and irrigation that the landscaping and irrigation is ready for inspection.	Notification to CPM	Within 7 days after completing installation of the landscaping and irrigation	5/22/2012		Not Started	
245	VIS	VIS-6c	OPS	Landscaping	The Applicant shall replace dead or dying plantings (plants and trees) listed or shown in the approved landscaping and irrigation plan for the project, annually at the least (e.g., start of Spring), for the life of the project.	Additional Plantings	Annually/As-Needed	As-needed	NA	As-needed	
246	WASTE	WASTE-1	PC	Provide the resume of an experienced and qualified Professional Engineer or Professional Geologist, who shall be available for consultation during site characterization (if needed), excavation and grading activities, to the CPM for review and approval. The resume shall show experience in remedial investigation and feasibility studies. The Professional Engineer or Professional Geologist shall be given full authority by the project owner to oversee any earth moving activities that have the potential to disturb contaminated soil.	At least 30 days prior to the start of site mobilization, submit the resume of the Professional Engineer or Professional Geologist to the CPM for review and approval.	Professional Engineer / Geologist Resume	At least 30 days prior to the start of site mobilization	Complete	3/11/2011	Complete	
247	WASTE	WASTE-2a	CONS	If potentially contaminated soil is identified, the Professional Engineer or Geologist shall inspect the site, determine the need for sampling, and provide a written report to the project owner, representatives of Department of Toxic Substances Control, and the CPM stating the recommended course of action.	Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM within 5 days of their receipt.	(If Needed)	Within 5 days of receiving any reports filed by the Professional Engineer or Geologist	As-needed	NA	As-needed	
248	WASTE	WASTE-2b	CONS	The Professional Engineer or Geologist shall have the authority to temporarily suspend construction activity at that location for the protection of workers or the public. If, in the opinion of the Professional Engineer or Professional Geologist, significant remediation may be required, the project owner shall contact the CPM and representatives of the Department of Toxic Substances Control for guidance and possible oversight.	Notify the CPM within 24 hours of any orders issued to halt construction.	(If Needed)	Within 24 hours of any orders issued to halt construction	As-needed	NA	As-needed	

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249	WASTE	WASTE-3	PC	Obtain a hazardous waste generator identification number from the USEPA prior to generating any hazardous waste during construction and operations.	Keep a copy of the identification number on file at the project site and provide the number to the CPM in the next Monthly Compliance Report.	USEPA Haz Waste Generator ID Number	Prior to generating any hazardous waste	Complete	4/4/2011	Complete	
250	WASTE	WASTE-4	CONS	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the way project-related wastes are managed.	(If Needed)	Within 10 days of becoming aware of an impending enforcement action	As-needed	NA	As-needed	
251	WASTE	WASTE-5	PC	Prepare a Construction Waste Management Plan for all wastes generated during construction of the facility, and submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the elements listed in this condition [WASTE-5].	Submit the Construction Waste Management Plan to the CPM for approval no less than 30 days prior to the initiation of construction activities at the site.	Construction Waste Management Plan	At least 30 calendar days prior to start of construction	Complete	5/4/2011	Complete	
252	WASTE	WASTE-6a	CONS	Prepare an Operation Waste Management Plan for all wastes generated during operation of the facility, and shall submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the elements listed in this condition [WASTE-6].	Submit the Operation Waste Management Plan to the CPM for approval no less than 30 days prior to the start of project operation. Submit any required revisions to the CPM within 20 days of notification from the CPM that revisions are necessary.	Operation Waste Management Plan	At least 30 days prior to the start of operation	5/2/2012		In-progress	
253	WASTE	WASTE-6b	OPS	Operation Waste Management Plan	Document in each Annual Compliance Report the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation Waste Management Plan; and update the Operation Waste Management Plan as necessary to address current waste generation and management practices.	ACR	Annually	On-going	NA	Not Started	
254	WASTE	WASTE-7	CONS	All spills or releases of hazardous substances, materials, or waste shall be reported, cleaned-up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	Document, as described in this condition [WASTE-7] all unauthorized releases and spills of hazardous substances, materials, or wastes that occur on the project property or related pipeline and transmission corridors. Copies of the unauthorized spill documentation shall be provided to the CPM within 30 days of the date the release was discovered.	(If Needed)	Within 30 days of the date the release was discovered	As-needed		In-progress	

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255	WORKER SAFETY	WORKER SAFETY-1	PC	Submit to the CPM the Project Construction Safety and Health Program containing the elements listed in this condition [WORKER SAFETY-1]. The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to the CPM for review and approval. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the Alameda County Fire Department for review and comment prior to submittal to the CPM for approval.	At least 30 days prior to the start of construction, the project owner shall submit to the CPM for review and approval a copy of the Project Construction Safety and Health Program. Provide a copy of a letter to the CPM from the Alameda County Fire Department stating the fire department's comments on the Construction Fire Prevention Plan and Emergency Action Plan.	Construction Health & Safety Program w/Fire Department Comments on EAP/FPP	At least 30 calendar days prior to start of construction	Partial Complete	5/16/2011 and 1/9/12	approved	PG&E plan submitted and approved on 11/29/11
256	WORKER SAFETY	WORKER SAFETY-2	CONS	Submit to the CPM the Project Operations and Maintenance Safety and Health Program containing the elements listed in this condition [WORKER SAFETY-2]. The Operation Injury and Illness Prevention Plan, Emergency Action Plan, and Personal Protective Equipment Program shall be submitted to the CPM for review and comment concerning compliance of the programs with all applicable safety orders. The Fire Prevention Plan and the Emergency Action Plan shall also be submitted to the Alameda County Fire Department for review and comment.	At least 30 days prior to the start of first-fire or commissioning, submit to the CPM for approval a copy of the Project Operations and Maintenance Safety and Health Program. Provide a copy of a letter to the CPM from the Alameda County Fire Department stating the fire department's comments on the Operations Fire Prevention Plan and Emergency Action Plan.	Operation Health & Safety Program w/Fire Department Comments on EAP/FPP	At least 30 days prior to the start of first-fire or commissioning	3/16/2012		In Progress	IIPP, EAP, HMMP, FPP and PPEP drafted.
257	WORKER SAFETY	WORKER SAFETY-3a	PC	Provide a site Construction Safety Supervisor (CSS) who is qualified as specified in this condition [WORKER SAFETY-3]. The CSS shall perform the duties listed in this condition.	At least 30 days prior to the start of construction, submit to the CPM the name and contact information for the CSS.	CSS Name/Contact	At least 30 calendar days prior to start of construction	Partial Complete	5/16/2011 and 1/9/12	Approved	CSS for LG, Tidelands and PG&E submitted.
258	WORKER SAFETY	WORKER SAFETY-3b	CONS	Construction Safety Supervisor (CSS)	The CSS shall submit in the Monthly Compliance Report a monthly safety inspection report to include the elements listed in this condition. The contact information of any replacement CSS shall be submitted to the CPM within one business day.	MCR	Monthly	On-going	NA	In-progress	
259	WORKER SAFETY	WORKER SAFETY-4	PC	Make payments to the Chief Building Official (CBO) for the services of a Safety Monitor. Those services shall be in addition to other work performed by the CBO. The Safety Monitor shall be responsible for the duties listed in this condition [WORKER SAFETY-4].	Prior to the start of construction, provide proof of agreement to fund the Safety Monitor services to the CPM for review and approval.	Proof of Agreement w/CBO for Safety Monitor	Prior to construction	Complete	5/16/2011	Complete	
260	WORKER SAFETY	WORKER SAFETY-5	PC	A portable automatic external defibrillator (AED) shall be located on site during demolition, construction, and operations and a training program shall be implemented, as described in this condition [WORKER SAFETY-5]. The training program shall be submitted to the CPM for review and approval.	At least 30 days prior to the start of construction, submit to the CPM proof that a portable AED exists on site and a copy of the training and maintenance program for review and approval.	Proof of AED and Training Program	At least 30 calendar days prior to start of construction	Complete	5/16/2011	Complete	

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261	WORKER SAFETY	WORKER SAFETY-6	OPS	The project owner shall provide a \$70,000 payment to the Tracy Fire Department prior to the start of commercial operation. This funding shall fully compensate Tracy Fire for any services it may be called to provide the Project over the life of the Project.	At least five (5) days prior to the start of commercial operation the project owner shall provide documentation of the payment described above to the CPM.	Statement of Verification	5 days prior to COD	6/21/2012		Not Started	
262	GEN	GEN-1a	CONS	The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the MEP.	Five days prior to requesting the issuance of the certificate of occupancy, submit to the CPM and the CBO a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy Commission's decision have been met.	Statement of Design Verification	Five days prior to requesting the issuance of the certificate of occupancy	4/29/2012		Not Started	
263	GEN	GEN-1b	CONS	The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the MEP.	Provide the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO.	Certificate of Occupancy	Within 30 days of receiving the certificate of occupancy	6/13/2012		Not Started	
264	GEN	GEN-1c	OPS	The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the MEP.	Once the certificate of occupancy has been issued, inform the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance to be performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM will then determine if the CBO needs to approve the work.	Notification to CPM	At least 30 days prior to any work on the completed facility that requires CBO approval	TBD		Not Started	
265	GEN	GEN-2a	CONS	Before submitting the initial engineering designs for CBO review, provide the CPM and the CBO with a schedule of facility design submittals, and master drawings and master specifications list, as specified in this condition [GEN-2]. To facilitate audits by Energy Commission staff, provide specific packages to the CPM upon request. In addition to the design submittals referenced above, plans and calculations for all construction work shall be submitted to the CBO for approval.	At least 60 days (or a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures, systems, and equipment defined in this condition. Major structures and equipment shall be added to or deleted from the list only with CPM approval.	Schedule, Master Drawings & Specifications Lists	At least 60 days prior to the start of rough grading	6/22/2011	7/1/2011	Complete	Master drawing and specification list submitted and approved 7/1/11. Update submitted 7/18/11.

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266	GEN	GEN-2b	CONS	Schedule of facility design submittals	Provide schedule updates in the monthly compliance report.	MCR	Monthly	On-going	NA	In-progress	
267	GEN	GEN-3	PC	Make payments to the CBO for design review, plan checks, and construction inspections.	A copy of the contract between the project owner and the CBO shall be submitted to the CPM. The project owner shall make the required payments to the CBO in accordance with the agreement. The project owner shall send a copy of the CBO's receipt of payment to the CPM in the next monthly compliance report indicating that applicable fees have been paid.	Copy of CBO Contract / Receipt of Payment	In accordance with the agreement	Complete	3/16/2011	Complete	BV Sign Off
268	GEN	GEN-4a	PC	Prior to the start of rough grading, assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project. The RE or his/her delegate(s) shall be responsible for the elements listed in this condition [GEN-4].	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project.	RE Resume & Registration Number	At least 30 days prior to the start of rough grading	Complete	3/16/2011 4/27/11	Complete	BV Sign Off
269	GEN	GEN-4b	CONS	--	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within 5 days of the approval.	Notification to CPM	Within 5 days of receiving the approval	As-needed	NA	As-needed	BV Sign Off (original submittals (GEN-4a) were submitted prior to the start of construction, future submittals will be "as-needed" - see GEN-4c
270	GEN	GEN-4c	CONS	If the RE or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer.	If the RE or the delegated engineer(s) is subsequently reassigned or replaced, the project owner has five days to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	(If Needed)	Within 5 days of replacing the RE or delegated engineer(s)	As-needed	NA	As-needed	
271	GEN	GEN-5a	PC	Prior to rough grading and prior to construction, assign at least one of each of the California registered engineers listed in this condition [GEN-5] to the project. The duties of the engineers are outlined in this condition.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, engineering geologist, responsible design engineer, mechanical engineer, and electrical engineer assigned to the project.	Engineer Resumes	At least 30 days prior to the start of rough grading	Complete	4/14/2011	Complete	BV Sign Off
272	GEN	GEN-5b	CONS	--	Notify the CPM of the CBO's approvals of the responsible engineers within five days of the approval.	Notification to CPM	Within 5 days of the approval	As-needed	NA	As-needed	BV Sign Off (original submittals (GEN-5a) were submitted prior to the start of construction, future submittals will be "as-needed" - see GEN-5c

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273	GEN	GEN-5c	CONS	--	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer within five days of the approval.	(If Needed)	Within 5 days of replacing the designated engineer	As-needed	NA	As-needed	
274	GEN	GEN-6a	CONS	Prior to the start of an activity requiring special inspection, assign to the project, qualified and certified special inspector(s) The special inspector(s) shall perform the duties outlined in this condition [GEN-6].	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection, submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth in this condition.	Name/Quals of Special Inspector	At least 15 days prior to the start of an activity requiring special inspection	As-needed	NA	As-needed	
275	GEN	GEN-6b	CONS	--	Submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report.	MCR	MCR following approval of special inspectors	On-going	NA	In-progress	
276	GEN	GEN-6c	CONS	--	If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval. Notify the CPM of the CBO's approval of the newly assigned inspector within five days of the approval.	(If Needed)	Within 5 days of replacing the special inspector	As-needed	NA	As-needed	
277	GEN	GEN-7	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference this condition and, if appropriate, applicable sections of the CBC and/or other LORS.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next monthly compliance report. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	(If Needed)	MCR following corrective action	As-needed	NA	As-needed	

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278	GEN	GEN-8a	CONS	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request the CBO to inspect the completed structure and review the submitted documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project. Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM.	Within 15 days of the completion of any work, submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	MCR	Within 15 days of the completion of any work	On-going	NA	In-progress	
279	GEN	GEN-8b	CONS	--	After storing the final approved engineering plans, specifications, and calculations described above, submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	Notification to CPM	After storing the final approved engineering plans, specifications, and calculations	TBD		Not Started	
280	GEN	GEN-8c	CONS	--	Within 90 days of the completion of construction, provide to the CBO three sets of electronic copies of the above documents at the project owner's expense. These are to be provided in the form of "read only" (Adobe) files, with restricted (password-protected) printing privileges, on archive quality compact discs.	Copies of approved plans/specs/calcs/as-builts	Within 90 days of the completion of construction	8/29/2012		Not Started	
281	CIVIL	CIVIL-1a	CONS	Submit to the CBO for review and approval the drainage and grading design, erosion & sediment control plan, SWPPP, related calculations & specifications, and the soils, geotechnical, or foundation reports.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval.	Drainage & grading design / DESCP / SWPPP / related calcs & specs / soils, geotechnical, or foundation reports	At least 30 days prior to the start of site grading	On-going	5/19/2011 Updated Plan submitted 6/27/11	Complete	
282	CIVIL	CIVIL-1b	CONS	--	In the next monthly compliance report following the CBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the CBO.	MCR	MCR following approval of documents described in CIVIL-1	On-going	8/24/2011	Complete	

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283	CIVIL	CIVIL-2	CONS	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible engineer identifies unforeseen adverse soil or geologic conditions. Submit modified plans, specifications, and calculations to the CBO based on these new conditions, and obtain approval from the CBO before resuming work.	The project owner shall notify the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	(If Needed)	Within 24 hours of work stopped	As-needed	NA	As-needed	
284	CIVIL	CIVIL-3a	CONS	Perform inspections in accordance with the CBC, and this condition [CIVIL-3]. If it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM. Prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	Within five days of the discovery of any discrepancies, the resident engineer shall transmit to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review and approval. Within five days of resolution of the NCR, submit the details of the corrective action to the CBO and the CPM.	(If Needed)	Within five days of the discovery of any discrepancies	As-needed	NA	As-needed	
285	CIVIL	CIVIL-3b	CONS	--	A list of NCRs, for the reporting month, shall be included in the following monthly compliance report.	(If Needed)	MCR following resolution of NCR	As-needed	NA	As-needed	
286	CIVIL	CIVIL-4a	CONS	After completion of finished grading and erosion and sedimentation control and drainage work, obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	Within 30 days (or project owner- and CBO-approved alternative time frame) of the completion of the erosion and sediment control mitigation and drainage work, submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to the CPM.	Final Grading Plans / Signed statement from Civil Engineer	Within 30 days of the completion of the erosion and sediment control mitigation and drainage work	7/14/2012		Not Started	
287	CIVIL	CIVIL-4b	CONS	--	Submit a copy of the CBO's approval to the CPM in the next monthly compliance report.	MCR	MCR following completion of the erosion and sediment control mitigation and drainage work	6/28/2012		Not Started	
288	STRUC	STRUC-1a	PC	Prior to the start of any increment of construction, submit plans, calculations and other supporting documentation, as described in this condition [STRUC-1] to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list.	At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	Final Design Plans, Specs & Calcs with Transmittal Letter	At least 60 days prior to the start of any increment of construction of listed component in the CBO-approved master drawing and specifications list	Complete	5/19/2011	Complete	BV Sign Off - Preconstruction submittals complete. Additional submittals addressed under STRUC-1b



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289	STRUC	STRUC-1b	CONS	Prior to the start of any increment of construction, submit plans, calculations and other supporting documentation, as described in this condition [STRUC-1] to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list.	At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	Final Design Plans, Specs & Calcs with Transmittal Letter	At least 60 days prior to the start of any increment of construction of listed component in the CBO-approved master drawing and specifications list	On-going	NA	In-progress	
290	STRUC	STRUC-1c	CONS	--	Submit to the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	MCR	In the following MCR	On-going	NA	In-progress	
291	STRUC	STRUC-2a	CONS	Submit to the CBO the required number of sets of the documents listed in this condition [STRUC-2] related to work that has undergone CBO design review and approval: Concrete cylinder strength test reports; Concrete pour sign-off sheets; Bolt torque inspection reports; Field weld inspection reports; and Reports covering other structural activities requiring special inspections.	--	See condition text for document list	On a schedule suitable to the CBO	On-going	NA	In-progress	
292	STRUC	STRUC-2b	CONS	--	If a discrepancy is discovered in the data listed in this condition, within five days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the condition(s) and the applicable CBC chapter and section.	(If Needed)	Within 5 days of discovering a discrepancy	As-needed	NA	As-needed	
293	STRUC	STRUC-2c	CONS	--	Within five days of resolution of the NCR, submit a copy of the corrective action to the CBO and the CPM.	(If Needed)	Within five days of resolution of the NCR	As-needed	NA	As-needed	
294	STRUC	STRUC-2d	CONS	--	The project owner shall transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	(If Needed)	Within 15 days of receiving approval or disapproval	As-needed	NA	As-needed	

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295	STRUC	STRUC-3a	CONS	Submit to the CBO design changes to the final plans required by the CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	On a schedule suitable to the CBO, notify the CBO of the intended filing of design changes, and submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM.	(If Needed)	On a schedule suitable to the CBO	As-needed	NA	As-needed	
296	STRUC	STRUC-3b	CONS	--	Notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans.	(If Needed)	In the following MCR	As-needed	NA	As-needed	
297	STRUC	STRUC-4a	CONS	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	At least 30 days (or project owner- and CBO-approved alternate time frame) prior to the start of installation of the tanks or vessels containing the specified quantities of toxic or hazardous materials, submit to the CBO for design review and approval final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	Final design plans, Specs & Calcs Engineer certification	At least 30 days prior to the start of installation of the tanks or vessels	11/25/2011	12/6/2011	COMPLETE	Specifications submitted and approved by CBO on 5/12/2011. Tank drawings submitted to CBO on 10/7/11 under Struc-1-10.2 and approved on 11/15/11. Package resubmitted under STRUC-4 on 11/25/11. Approved on 12/6/11.
298	STRUC	STRUC-4b	CONS	--	Send copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report. The project owner shall also transmit a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	MCR	In the following MCR	On-going	NA	Not Started	
299	MECH	MECH-1a	CONS	Submit, for CBO design review and approval, the proposed final design, specifications and calculations for each plant major piping and plumbing system listed. Upon completion of construction of any such system, request the CBO's inspection.  The responsible mechanical engineer shall stamp and sign all plans, drawings, and calculations for the major piping and plumbing systems, subject to CBO design review and approval, and submit a signed statement to the CBO when the proposed piping and plumbing systems have been designed, fabricated, and installed in accordance with all of the applicable LORS.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and master specifications list, submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS, and send the CPM a copy of the transmittal letter in the next monthly compliance report.	Final design plans, Specs & Calcs Engineer certification w/ transmittal to CPM	At least 30 days prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and specifications list	TBD		In-progress	

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300	MECH	MECH-1b	CONS	--	Transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	MCR	In the following MCR	On-going		In-Progress	
301	MECH	MECH-2a	CONS	For all pressure vessels installed in the plant, submit to CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, request the appropriate CBO and/or Cal-OSHA inspection of that installation.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of on-site fabrication or installation of any pressure vessel, submit to the CBO for design review and approval, the documents listed in this condition, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM.	See condition text for document list	At least 30 days prior to the start of on-site fabrication or installation of any pressure vessel	TBD		In-progress	
302	MECH	MECH-2b	CONS	--	Transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	MCR	In the following MCR	On-going	NA	In-progress	
303	MECH	MECH-3a	CONS	Submit to the CBO for design review and approval, specifications, calculations, and quality control procedures for any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets. Design and install all HVAC and refrigeration systems in accordance with applicable codes. Upon completion of any increment of construction, request the CBO's inspection. The final plans, specifications and calculations shall include approved criteria, assumptions, and methods. In addition, the responsible mechanical engineer shall sign and stamp all plans, drawings and calculations and submit a signed statement to the CBO that the proposed final design plans, specifications and calculations conform with the applicable LORS.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of construction of any HVAC or refrigeration system, submit to the CBO the required HVAC and refrigeration calculations, plans, and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to the CPM.	HVAC & refrigeration calcs, plans, and specs / ME statement / Transmittal to CPM	At least 30 days prior to the start of construction of any HVAC or refrigeration system	TBD		In-progress	
304	MECH	MECH-3b	CONS	--	Copy of the transmittal letter to the CPM in the following MCR.	MCR	In the following MCR	As-needed	NA	As-needed	

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305	ELEC	ELEC-1a	CONS	Prior to the start of any increment of electrical construction for electrical equipment and systems 480 Volts or higher, submit, for CBO design review and approval, the proposed final design, specifications, and calculations. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction, submit to the CBO for design review and approval the documents listed in this condition. Include a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and send the CPM a copy of the transmittal letter in the next monthly compliance report.	Final design, specs, & calcs / RE Statement / Transmittal to CPM	At least 30 days prior to the start of each increment of electrical construction	TBD		In-progress	
306	ELEC	ELEC-1b	CONS	--	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	MCR	In the following MCR	As-needed	NA	As-needed	
307	PAL	PAL-1a	PC	Provide the CPM with the resume and qualifications of the PRS for review and approval. The PRS and Paleontological Resource Monitors (PRMs) shall meet the minimum qualifications described in this condition [PAL-1].	At least 60 days prior to the start of ground disturbance, submit a resume and statement of availability of its designated PRS for on-site work.	PRS Resume & Statement of Availability	At least 60 days prior to the start of ground disturbance	Complete	4/6/2011 4/15/11	Complete	
308	PAL	PAL-1b	PC	Ensure that the PRS obtains qualified PRMs to monitor as he or she deems necessary on the project. Paleontological Resource Monitors shall have the equivalent of the qualifications described in this condition [PAL-1].	At least 20 days prior to ground disturbance, provide a letter with resumes naming anticipated monitors, stating that the identified monitors meet the minimum qualifications for paleontological resource monitoring required by the condition.	PRM Resumes & Quals	At least 20 days prior to ground disturbance	Complete	5/4/2011	Complete	
309	PAL	PAL-1c	CONS	If a PRM is replaced, the resume of the replacement PRM shall also be provided to the CPM. Keep resumes on file for qualified PRM.	If additional monitors are obtained during the project, provide additional letters and resumes to the CPM. The letter shall be provided to the CPM no later than one week prior to the monitor's beginning on-site duties.	(If Needed)	At least 1 week prior to the monitor beginning duties	As-needed	NA	As-needed	
310	PAL	PAL-1d	CONS	If the approved PRS is replaced, obtain CPM approval of the replacement PRS.	Prior to the termination or release of a PRS, submit the resume of the proposed new PRS to the CPM for review and approval.	(If Needed)	Prior to the termination or release of a PRS	As-needed	NA	As-needed	
311	PAL	PAL-2a	PC	Provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the project, as described in this condition [PAL-2]. If construction of the project proceeds in phases, maps and drawings may be submitted prior to the start of each phase. A letter identifying the proposed schedule of each project phase shall be provided to the PRS and CPM. The PRS or PRM shall consult weekly with the project superintendent or construction field manager to confirm area(s) to be worked the following week.	At least 30 days prior to the start of ground disturbance, provide the maps and drawings to the PRS and CPM.	Maps and drawings	At least 30 days prior to the start of ground disturbance	Complete	5/11/2011	Complete	

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312	PAL	PAL-2b	CONS	If the footprint of the project or its linear facilities change, the project owner shall provide maps and drawings reflecting those changes to the PRS and CPM.	If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS and CPM at least 15 days prior to the start of ground disturbance.	(If Needed)	At least 15 days prior to the start of ground disturbance	As-needed	NA	As-needed	
313	PAL	PAL-2c	CONS	Before work commences on affected phases, the project owner shall notify the PRS and CPM of any construction phase scheduling changes.	If there are changes to the scheduling of the construction phases, submit a letter to the CPM within 5 days of identifying the changes.	(If Needed)	Within 5 days of identifying the changes	As-needed	NA	As-needed	
314	PAL	PAL-3	PC	A paleontological resources monitoring and mitigation plan (PRMMP) shall be include elements (1) through (10) as specified in this condition [PAL-3] and submitted to the CPM for review and approval to identify general and specific measures to minimize potential impacts to significant paleontological resources. Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager, and the CPM.	At least 30 days prior to ground disturbance, provide a copy of the PRMMP to the CPM. The PRMMP shall include an affidavit of authorship by the PRS, and acceptance of the PRMMP by the project owner evidenced by a signature.	PRMMP	At least 30 days prior to ground disturbance	Complete	5/12/2011	Complete	Revised PRMMP submitted on 6/21/11
315	PAL	PAL-4a	PC	WEAP: Prior to ground disturbance and for the duration of construction activities involving ground disturbance, as described in this condition [PAL-4], prepare and conduct weekly CPM-approved paleontological resources training for the workers specified in this condition. The training shall include elements (1) through (7) of this condition.	At least 30 days prior to ground disturbance, submit the proposed WEAP, including the brochure, with the set of reporting procedures for workers to follow. At least 30 days prior to ground disturbance, the project owner shall submit the training program presentation/materials to the CPM for approval if the project owner is planning to use a presentation format other than an in-person trainer for training.	Proposed WEAP & training materials	At least 30 days prior to ground disturbance	Complete	4/5/2011 5/16/11	Complete	
316	PAL	PAL-4b	CONS	WEAP TRAINING	If the owner requests an alternate paleontological trainer, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct training prior to CPM authorization.	(If Needed)	Prior to installation of an alternate trainer	As-needed	NA	As-needed	
317	PAL	PAL-4c	CONS	WEAP TRAINING	In the MCR, provide copies of the WEAP certification of completion forms with the names of those trained and the trainer or type of training (in-person or other approved presentation format) offered that month. The MCR shall also include a running total of all persons who have completed the training to date.	MCR	Monthly	On-going	NA	In-progress	

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318	PAL	PAL-5a	CONS	The PRS and PRM(s) shall monitor consistent with the PRMMP all construction-related grading, excavation, trenching, and augering in areas where potential fossil-bearing materials have been identified. The PRS and PRM(s) have the authority to halt or redirect construction if paleontological resources are encountered. Monitoring activities shall be conducted as in accordance with (1) through (4) of this condition [PAL-5]. A summary of monitoring and other paleontological activities shall be included placed in the MCRs, as described by this condition.	The PRS shall submit the summary of monitoring and paleontological activities in the MCR.	MCR	Monthly	On-going	NA	In-progress	
319	PAL	PAL-5b	CONS	Any change of monitoring from the accepted schedule in the PRMMP shall be proposed in a letter or email from the PRS and the project owner to the CPM prior to the change in monitoring and will be included in the monthly compliance report. The letter or email shall include the justification for the change in monitoring and be submitted to the CPM for review and approval. In the event that the PRS determines full-time monitoring is not necessary in locations that were identified as potentially fossil-bearing in the PRMMP, the project owner shall notify and seek the concurrence of the CPM.	When feasible, the CPM shall be notified 10 days in advance of any proposed changes in monitoring different from the plan identified in the PRMMP. If there is any unforeseen change in monitoring, the notice shall be given as soon as possible prior to implementation of the change	(If Needed)	At least 10 days in advance of any proposed changes in monitoring, when feasible	As-needed	NA	As-needed	
320	PAL	PAL-6a	OPS	All components of the PRMMP shall be adequately performed including collection of fossil materials, preparation of fossil materials for analysis, analysis of fossils, identification and inventory of fossils, the preparation of fossils for curation, and the delivery for curation of all significant paleontological resource materials encountered and collected during project construction.	Maintain in the compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists for a period of three years after project completion and approval of the CPM-approved paleontological resource report (see PAL-7).	--	For 3 years after project completion	On-going	NA	In-progress	
321	PAL	PAL-6b	CONS	--	Pay any curation fees charged by the museum for fossils collected and curated as a result of paleontological mitigation. A copy of the letter of transmittal submitting the fossils to the curating institution shall be provided to the CPM.	(If Needed)	Following transmittal of fossils	As-Needed	NA	As-needed	
322	PAL	PAL-7	CONS	The Paleontological Resources Report (PRR) shall be prepared by the designated PRS following completion of the ground-disturbing activities. The PRR shall include the elements described in this condition [PAL-7].	Within 90 days after completion of ground-disturbing activities, including landscaping, submit the PRR under confidential cover to the CPM.	Paleontological Resources Report	Within 90 days after completion of ground-disturbing activities	8/29/2012		Not Started	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
323	TSE	TSE-1a	CONS	Furnish to the CPM and to the CBO a schedule of transmission facility design submittals, as described in this condition [TSE-1], a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List. Provide designated packages to the CPM when requested.	At least 60 days prior to the start of construction, submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM. The schedule shall contain the elements listed in this condition. Additions and deletions shall be made to the table only with CPM and CBO approval.	Schedule, Master Drawing and Specifications Lists	At least 60 days prior to the start of construction	6/22/2011	7/1/2011	Complete	Master drawing and specification list submitted and approved 7/1/11. EPC will provide updates on the 15th and 30th of each month
324	TSE	TSE-1b	CONS	--	Provide schedule updates in the monthly compliance report.	(If Needed)	Monthly	As-needed	NA	As-needed	
325	TSE	TSE-2a	PC	Prior to the start of construction assign an electrical engineer and at least one of each of the engineers listed in this condition [TSE-2] to the project. No segment of the project shall have more than one responsible engineer. The electrical engineer shall perform duties (1) and (2) listed in this condition. This engineer shall be authorized to halt earthwork and to require changes if site conditions are unsafe or do not conform with predicted conditions used as a basis for design of earthwork or foundations.	At least 30 days prior to the start of rough grading, submit to the CBO for review and approval, the names, qualifications and registration numbers of all the responsible engineers assigned to the project. Notify the CPM of the CBO's approvals of the engineers within five days of the approval.	Name/Quals of Responsible Engineers	At least 30 days prior to the start of rough grading	Complete	4/7/2011	Complete	
326	TSE	TSE-2b	CONS	If any one of the designated engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned engineer to the CBO for review and approval.	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. Notify the CPM of the CBO's approvals of the engineers within five days of the approval.	(If Needed)	Within 5 days of replacing the engineer	As-Needed	NA	As-needed	
327	TSE	TSE-3	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, document the discrepancy and recommend corrective action. The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and shall reference this condition.	The project owner shall submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM within 15 days of receipt. If the corrective action is disapproved, advise the CPM, within five days, the reason for disapproval, and the revised corrective action required to obtain the CBO's approval.	(If Needed)	Within 15 days of receiving the discrepancy	As-Needed	NA	As-needed	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
328	TSE	TSE-4a	CONS	For the power plant switchyard, outlet line and termination, do not begin any increment construction until plans for that increment have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction. Request that the CBO inspect the installation. Activities (A) through (C) of this condition shall be reported in the MCR.	At least 30 days prior to the start of each increment of construction, submit to the CBO for review and approval the final design plans, specifications and calculations for equipment and systems of the power plant switchyard, outlet line and termination, including a copy of the signed and stamped statement from the responsible electrical engineer attesting to compliance with the applicable LORS.	Final design, specs, & calcs / RE Statement	At least 30 days prior to the start of each increment of construction	12/15/2011	12/28/2011	COMPLETE	letter from Engineer of record posted to CBO on 12/15/11. Transmittal in MCR. Reviewed by CBO with "For reference only" on 12/28/11
329	TSE	TSE-4b	CONS	Activities (A) through (C) of this condition shall be reported in the MCR.	Send the CPM a copy of the transmittal letter described in this condition in the next Monthly Compliance Report.	Transmittal to CPM	Monthly	On-going	NA	In-progress	
330	TSE	TSE-5a	PC	The design, construction, and operation of the proposed transmission facilities will conform to all applicable LORS, and requirements (a) through (f) listed in this condition [TSE-5].	At least 60 days prior to the start of construction of transmission facilities, submit to the CBO for approval the elements (a) through (f) listed in this condition.	See condition text for document list	At least 60 days prior to the start of construction of transmission facilities	7/30/2011		In-progress	
331	TSE	TSE-5b	PC	Once approved, the project owner shall inform the CPM and CBO of any anticipated changes to the design, and shall submit a detailed description of the proposed change and complete engineering, environmental, and economic rationale for the change to the CPM and CBO for review and approval.	Prior to the construction of or start of modification of transmission facilities, inform the CBO and the CPM of any anticipated changes to the design that are different from the design previously submitted and approved and submit a detailed description of the proposed change and complete engineering, environmental, and economic rationale for the change to the CPM and CBO for review and approval.	(If Needed)	Prior to the construction of or start of modification of transmission facilities	As-needed	NA	As-needed	
332	TSE	TSE-6a	CONS	Provide the Notice to the California Independent System Operator (California ISO), as described in this condition [TSE-6], prior to synchronizing the facility with the California Transmission system. At least one week prior to synchronizing the facility with the grid for testing, provide the California ISO a letter stating the proposed date of synchronization.	Provide copies of the California ISO letter to the CPM when it is sent to the California ISO one week prior to initial synchronization with the grid.	Cal ISO Letter	At least 1 week prior to initial synchronization with the grid	TBD		Not Started	



Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
333	TSE	TSE-6b	CONS	At least one business day prior to synchronizing the facility with the grid for testing, provide telephone notification to the California ISO Outage Coordination Department.	Contact the California ISO Outage Coordination Department, Monday through Friday, between the hours of 0700 and 1530 at (916) 351-2300 at least one business day prior to synchronizing the facility with the grid for testing. A report of conversation with the California ISO shall be provided electronically to the CPM one day before synchronizing the facility with the California transmission system for the first time.	Report of Conversation with Cal ISO	At least 1 business day prior to synchronizing the facility with the grid for testing	TBD		Not Started	
334	TSE	TSE-7a	CONS	The transmission facilities shall be inspected during and after project construction, and any subsequent CPM and CBO approved changes thereto.	Within 60 days after first synchronization of the project, transmit to the CPM and CBO items (A) through (C) of this condition.	As built Engineering descriptions / drawings / Summary of inspections	Within 60 days after first synchronization of the project	TBD		Not Started	
335	TSE	TSE-7b	CONS	In case of non-conformance, the project owner shall inform the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken.	In case of non-conformance, inform the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken.	(If Needed)	Within 10 days of discovering non-conformance	As-needed	NA	As-needed	
336	COMPLIANCE	COMPLIANCE-1	CONS	Unrestricted Access	N/A	NONE	NA	On-going	NA	In-progress	
337	COMPLIANCE	COMPLIANCE-2	CONS	Maintain Project Files on site	N/A	NONE	NA	On-going	NA	In-progress	
338	COMPLIANCE	COMPLIANCE-3	CONS	Compliance Verification Submittals	N/A	Varies	NA	On-going	NA	In-progress	
339	COMPLIANCE	COMPLIANCE-4	PC	Pre-construction Matrix and Tasks Prior to Start of Construction	Construction shall not commence until the all of the following activities/submittals have been completed: property owners living within one mile of the project have been notified of a telephone number to contact for questions, complaints or concerns; a pre-construction matrix has been submitted identifying only those conditions that must be fulfilled before the start of construction; all pre-construction conditions have been complied with; the CPM has issued a letter to the project owner authorizing construction.	Pre-construction Matrix	Prior to commencement of construction	Complete	Mar-11	Complete	
340	COMPLIANCE	COMPLIANCE-5	CONS	Compliance Matrix	The project owner shall submit a compliance matrix (in a spreadsheet format) with each monthly and annual compliance report which includes the status of all compliance conditions of certification.	Compliance Matrix	Monthly	On-going	NA	In-progress	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
341	COMPLIANCE	COMPLIANCE-6a	CONS	Monthly Compliance Report List Item 1 Schedule	Summary of the current project construction status, a revised/updated schedule if there are any significant delays and an explanation of any significant changes to the schedule	MCR	Monthly	On-going	NA	In-progress	
342	COMPLIANCE	COMPLIANCE-6b	CONS	Monthly Compliance Report List Item 2 Documents required by specific conditions	Documents required by specific conditions to be submitted along with the MCR. Each must be identified in the transmittal letter, as well as the conditions they satisfy and submitted as attachments to the MCR.	MCR	Monthly	On-going	NA	In-progress	
343	COMPLIANCE	COMPLIANCE-6c	CONS	Monthly Compliance Report List Item 3 COC Matrix	See Compliance 5 Also	MCR	Monthly	On-going	NA	In-progress	
344	COMPLIANCE	COMPLIANCE-6d	CONS	Monthly Compliance Report List Item 4 Conditions Satisfied	A list of conditions that have been satisfied during the reporting period and a description or reference to the actions that satisfied the Condition	MCR	Monthly	On-going	NA	In-progress	
345	COMPLIANCE	COMPLIANCE-6e	CONS	Monthly Compliance Report List Item 5 Submittal deadlines missed	A List of any submittal deadlines that were missed, accompanied by an explanation and an estimate of when the information will be provided.	MCR	Monthly	On-going	NA	In-progress	
346	COMPLIANCE	COMPLIANCE-6f	CONS	Monthly Compliance Report List Item 6 changes to Conditions of Certification	A cumulative listing of any approved changes to Conditions of Certification	MCR	Monthly	On-going	NA	In-progress	
347	COMPLIANCE	COMPLIANCE-6g	CONS	Monthly Compliance Report List Item 7 Other Permits	A listing of any filings submitted to, or permits issued by, other governmental agencies during the month	MCR	Monthly	On-going	NA	In-progress	
348	COMPLIANCE	COMPLIANCE-6h	CONS	Monthly Compliance Report List Item 8 Compliance activity schedule	A projection of compliance activities scheduled during the next two months. The project owner shall notify the CPM as soon as any changes are made to the project construction schedule that would affect compliance with the Conditions of Certification	MCR	Monthly and ASAP when changes are made to schedule	On-going	NA	In-progress	
349	COMPLIANCE	COMPLIANCE-6i	CONS	Monthly Compliance Report List Item 9 On-site file	A list of the month's additions to the on-site compliance file	MCR	Monthly	On-going	NA	In-progress	
350	COMPLIANCE	COMPLIANCE-6j	CONS	Monthly Compliance Report List Item 10 Complaints and Violations	A listing of complaints, notices of violation, official warnings, and citations received during the month, a description of the resolution of he resolved actions and the status of any unresolved actions.	MCR	Monthly	On-going	NA	In-progress	
351	COMPLIANCE	COMPLIANCE-7	CONS	Annual Compliance Report including a Key Events List		ACR	Annual	On-going	NA	Not Started	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
352	COMPLIANCE	COMPLIANCE-8	CONS	Confidential Information	Any information the project owner deems confidential shall be submitted to the Energy Commission's Executive Director with a request for confidentiality.	Confidential Filings	As-Needed	As-Needed	NA	As-Needed	
353	COMPLIANCE	COMPLIANCE-9a	CONS	Annual fees	Payment of Annual Energy Facility Compliance Fee	Initial Annual Compliance Fee	Initial payment due on date of Business Meeting when Energy Commission accepts final decision	On-going	NA	In-Progress	
354	COMPLIANCE	COMPLIANCE-10a	PC	Reporting of Complaints, Notices and Citations	Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns. Within 10 days of receipt, the project owner shall report to the CPM, all notices, complaints, and citations.	Telephone Number for Nearby Property Owners to Call	Prior to commencement of construction	Complete	May-11	Complete	
355	COMPLIANCE	COMPLIANCE-10b	CONS	Reporting of Complaints, Notices and Citations	Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns. Within 10 days of receipt, the project owner shall report to the CPM, all notices, complaints, and citations.	Notice, Complaint, and Citation Reports	Within 10 days of receipt notify CPM	As-Needed	NA	As-Needed	
356	COMPLIANCE	COMPLIANCE-11	OPS	Planned Facility Closure	The project owner shall submit a closure plan to the CPM at least 12 months prior to commencement of a planned closure.	Closure Plan	At least 12 months prior to commencement of planned closure	TBD		Not Started	
357	COMPLIANCE	COMPLIANCE-12	CONS	Unplanned Temporary Facility Closure	To ensure that public health and safety and the environment are protected in the event of an unplanned temporary closure, the project owner shall submit an on-site contingency plan no less than 60 days prior to commencement of commercial operation.	On-site Contingency Plan	No less than 60 days prior to commencement of commercial operation	4/2/2012		Not Started	

Item #	Technical Area	Cond. Number	Phase	Description	Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of Approval	Status	Notes
358	COMPLIANCE	COMPLIANCE-13	CONS	Unplanned Permanent Facility Closure	To ensure that public health and safety and the environment are protected in the event of an unplanned permanent closure, the project owner shall submit an on-site contingency plan no less than 60 days prior to commencement of commercial operation. In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail within 24 hours and shall take all necessary steps to implement the on-site contingency plan. A closure plan, consistent with the requirements for a planned closure, shall be developed and submitted to the CPM within 90 days of the permanent closure or another period of time agreed to by the CPM.	On-site Contingency Plan / Closure Plan	No less than 60 days prior to commencement of commercial operation / Within 90 days of permanent closure	4/2/2012		Not Started	
359	COMPLIANCE	COMPLIANCE-14a	CONS	Post-certification changes to the Decision	The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	Post Certification Modifications	As-Needed	As-Needed	NA	As-Needed	
360	COMPLIANCE	COMPLIANCE-14b	OPS	Post-certification changes to the Decision	The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	Post Certification Modifications	As-Needed	As-Needed	NA	As-Needed	

**Exhibit 8**  
**AQCMM Monthly Report**

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## Air Quality Construction Mitigation Manager Report

PREPARED FOR: Debi Hertz/CH2M HILL  
PREPARED BY: Bradley Allender/LG Constructors  
DATE: February 29, 2012

This report is the Air Quality Construction Mitigation Manager (AQCOMM) Monthly Compliance Report (MCR) for submittal to the Construction Compliance Manager.

This report is prepared in accordance with the requirements of the Air Quality Construction Mitigation Plan, AQ-SC2, Section 6.

### AQ-SC3, AQ-SC4, AQ-SC5

- **Wind Erosion Control Techniques**
  - Site was watered as required to limit dust erosion. Slopes hydroseeded.
- **Speed Limit Signage**
  - Installed previously. Post size and location modified for visibility as needed.
- **Track Out BMPs**
  - Installed previously.
- **Paved Road Sweeping Activities**
  - Bruns Rd at the site entrance was swept as needed.
- **Complaints Filed**
  - None
- **Dust Plume Response**
  - Site and site access road were watered regularly in order mitigate dust plumes.
- **Tier 3 California Emission Diesel Engine Requirements (AQ-SC5)**
  - See Construction Equipment Survey Form.
    - For Tier 3 equipment on site for more than 5 days the Engine Tier Design Table from California Code of Regulations Title 13, Section 2423 is used to determine engine tier.
    - For equipment on site for more than 5 days, where Tier 3 is not available, quotes from two vendors are in Attachment 2.
  - Equipment maintenance letters for equipment on site at the end of the month in Attachment 1.
  - Tier 1 crane exemption requested per AQ-SC5.b.4 and can be found in the October 2011 report.

# Appendix B

## Equipment Survey Form

Description of Project Construction Equipment  
(To be filled out by the onsite Air Quality Construction Mitigation Manager)

Equipment Type/Owner	Vehicle/Engine Model Year	Manufacturer	Horsepower	EPA/ARB Engine Tier
14H - Grader/Teichert	2004/2004	CAT	220	Tier 2**
420E - Backhoe/Cresco	2010/2010	CAT	99.9	Tier 3
PC400 Excavator/Teichert	2005/2005	Komatsu	330	Tier 2**
Forklift G12-55A/United	2011/2011	JLG	130	Tier 3
210LJ - Skip Loader/Teichert	2010/2010	Deere	73	Tier 3
336E Excavator/Holt	2011/2010	CAT	314	Tier 3
349E Excavator/Holt	2011/2011	CAT	317	Tier 4i
Sweeper/Teichert	1999/1999	LAY-MOR	29	N/A <50HP
GR500XL-1 Crane/Coastline	2008/2007	TADANO	223	Tier 3
580 Super N Backhoe/Flores	2011/2011	Case	97	Tier 3
CP-56 - Roller/Holt	2009/2009	CAT	156	Tier 3
Forklift G12-55A/United	2011/2011	JLG	130	Tier 3
TL1055 Forklift/Cresco	2008/2008	CAT	125	Tier 3
RTC8075 Crane/Maxim	2010/2010	Link-Belt	235	Tier 3
777 Crane/Essex	1998/1998	Manitowoc	330	Tier 1****
LR1200SX Crane/Essex	2006/2006	Liebherr	362	Tier 3
WA450 Loader/Teichert	2005/2005	Komatsu	261	Tier 2**
860SJ Aerial Lift/United	2009/2008	JLG	62	Tier 4i
860SJ Aerial Lift/United	2008/2008	JLG	62	Tier 4i
Vibratory Roller/Teichert	2005/2005	IR/Cummins	156	Tier 2**
TL1255 Forklift/Cresco	2009/2008	CAT	142	Tier 3
S85 Aerial Lift/United	2008/2008	Genie	74	Tier 4i
Forklift G10-55A/RSC	2011/2011	JLG	130	Tier 3
Z135 Aerial Lift/United	2008/2008	Genie	74	Tier 4i
Ditchwitch RT45/Sunstate	2011/2008	Ditchwitch	45	N/A <50HP
VR-1056D Forklift/Sunstate	2011/2008	Skyjack	110	Tier 3
S65 Aerial Lift/United	2011/2011	Genie	49	N/A <50HP
S60 Aerial Lift/United	N/A/N/A	Genie	N/A	Not Diesel
600S Aerial Lift/Ahern	2011/2011	Genie	49	N/A <50HP
600 AJ Aerial Lift/Ahern	N/A/N/A	JLG	N/A	Not Diesel
S60 Aerial Lift/Sunstate	2008/2008	Genie	49	N/A <50HP
S60 Aerial Lift/United	2004/2004	Genie	49	N/A <50HP



## Appendix B

### Equipment Survey Form

600S Aerial Lift/United	2008/2008	JLG	49.5	N/A <50HP
S60 Aerial Lift/Sunstate	2008/2008	Genie	48.8	N/A <50HP
660SJ Aerial Lift/United	2008/2007	JLG	65	Tier 2**
S60 Aerial Lift/Sunstate	2008/2008	Genie	49	N/A <50HP
S60 Aerial Lift/Sunstate	2008/2008	Genie	49	N/A <50HP
S65 Aerial Lift/United	2008/2008	Genie	49	N/A <50HP
TL1255 Forklift/United	2011/2011	CAT	130	Tier 3
860SJ Aerial Lift/United	2008/2008	JLG	62	Tier 4i
6042 Aerial Lift/Sunstate	2011/2011	Skytrak	110	Tier 3
XRM842 Forklift/Ahern	2006/2009	Extreme	100	Tier 3
600S Aerial Lift/Ahern	2011/2011	JLG	49	N/A <50HP
1200SJP Aerial Lift/United	2002/2002	JLG	87	Tier 1
1200SJP Aerial Lift/United	2007/2007	JLG	87.7	Tier 2*
1200SJP Aerial Lift/Sunstate	2008/2008	JLG	75	Tier 3
GTH 1056 Forklift/Sunbelt	2011/2011	Genie	115	Tier 3
600SJ Aerial Lift/Sunstate	2008/2008	JLG	49.5	N/A <50HP
S60 Aerial Lift/Sunstate	2011/2010	Genie	49	N/A <50HP
308D Excavator/Holt	2010/2010	CAT	58	Tier 4i
450A Aerial Lift/Sunstate	N/A/N/A	Genie	N/A	Not Diesel
S45 Aerial Lift/Sunstate	2012/2011	Genie	45	N/A <50HP
S65 Aerial Lift/Sunstate	2011/2011	Genie	49	N/A <50HP
1350 SJP Aerial Lift/United	2012/2011	JLG	75	Tier 3
1350 SJP Aerial Lift/United	2012/2011	JLG	75	Tier 3
S85 Aerial Lift/United	2011/2010	Genie	74	Tier 4i
* Tier 3 not required per AQCS5 - On site 5 days or less				
** Tier 3 not required per AQCS5 - Tier 3 not available, 2 quotes provided				
*** Removed from site - Does not meet AQSC5				
**** Specialty equipment. Exemption requested.				

**Note:**

For all construction equipment 50 hp or higher that do not meet the Tier 3 California Emission Standards for Off-Road Compression- Ignition Engines, quotes from two separate vendor sources must be attached, documenting that the equipment in question is not available at the Tier 3 level

## **AQCMM Monthly Report**

### **Attachment 1**

#### **Equipment Maintenance Letters**



February 24th, 2012

To Whom It May Concern,

Cresco Equipment Rentals has an established maintenance system which routinely keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

For large, metered equipment we have initial machine services done within the first 50 or 100 hours of the machine life, then regularly scheduled maintenance every 250 hours or per the various equipment manufacturer specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of a work order for a service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call John Mazur or Tyler Hardy at Cresco Product Support 925-228-9152.

Thank You,  
John Mazur  
Service Manager  
Cresco Product Support

191 Howe Rd  
Martinez CA, 94553  
925-228-9152 ext.224  
925-228-4552 fax

February 24, 2012

To Whom It May Concern:

RSC Equipment Rental provides quality rentals, service, and sales of new and used equipment to a diverse group of customers in construction, industrial, petrochemical, mining, governmental, and manufacturing markets across North America. We strive to provide a current fleet, so you can be sure you are receiving quality, well-maintained equipment.

We maintain our fleet up to and beyond manufacturers' recommendations by utilizing the services of our factory-trained technicians who document all of their work through our Work Order system. We can take care of the maintenance on the equipment, so you won't need a repair shop, spare parts inventory, mechanics, or extra staff to take care of inventory maintenance records. Should you need information regarding an individual work order for a particular repair or service, we can provide that upon request.

Please feel free to call our office in Martinez if you have any questions. Our Service Manager, Stan Bullard, or Branch Supervisor, Ronnie Mayo, would be happy to assist you with any of your service or maintenance related questions.

We appreciate your business! Thank you!

Sincerely,

Charlie Buada  
Branch Manager  
[Charles.buada@RSCRental.com](mailto:Charles.buada@RSCRental.com)

Office#: 925-370-1000

Fax#: 925-370-1025

Supervisor: Ron Mayo  
[Ronnie.mayo@RSCRental.com](mailto:Ronnie.mayo@RSCRental.com)

Service Mngr: Stan Bullard  
[Stan.bullard@RSCRental.com](mailto:Stan.bullard@RSCRental.com)



2911 E. Fremont St.  
Stockton, Ca 95205  
Jeremy Davis  
209-321-3488

Updated: 02-24-2012

To Whom It May Concern,

United Rentals, Inc. has an well-known maintenance system which regularly keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

Our factory Trained mechanics maintain all our owned rental equipment to manufactures specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of a work order for a service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call Jeremy Davis at 209-321-3488 or John Borelli at 209-461-2816.



325 N. 5<sup>th</sup> Street., Bldg. A, Sacramento, CA 95811 – Tel. No. (916) 440-8090 – Fax No. (916) 440-8094

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February 24, 2012

To Whom It May Concern,

Coastline Equipment has a strict maintenance system standard that we adhere to in order to ensure that our fleet is up to manufacturer suggested service levels and in proper operational condition at all times. Our factory trained, certified mechanics maintain all of our rental equipment to manufacturer's specifications.

All maintenance and repair work is documented on work orders specific to each machine and a copy of a work order for a service or repair can be produced upon request. If you have any questions regarding the service or maintenance history of a machine please call **John Shebl** at **916-440-8090**.



6457 Dublin Ct.  
Dublin, CA 94568  
Danny Brezac  
510-414-9165

To Whom It May Concern:

United Rentals, Inc. has a well-known maintenance system which regularly keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

Our factory Trained mechanics maintain all our owned equipment to manufacturers specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of the work order for service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call Danny Brezac at 510-414-9165.

800-400-1810

For the location nearest you!



www.ahern.com

2-30-12

To whom it may concern,

Ahern Rentals maintains its rental equipment to manufacture recommended levels or higher. All maintenance is performed by trained mechanics to factory specification to ensure proper operations and safety of all equipment. Records of all maintenance are kept on file at each location and can be viewed upon request.

11  
15  
16  
21  
26

73 convenient Locations in 14 states to serve you: Arizona, Arkansas, California, Colorado, Georgia, Kansas, Maryland, Nebraska, Nevada, New Jersey, New Mexico, N. Carolina, Oklahoma, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Virginia, & Washington.





PC#:  
LIVERMORE PC517  
4977 SOUTHFRONT RD  
LIVERMORE, CA 94551-9748  
925-455-5710

**Work Order 33318630-001**

Created 2/02/12 Meter at Repair 183.000  
Entered By FGONZALEZ Maintained By  
Authorized By  
Opened 2/02/12 JO Closed 2/02/12  
Terms NET DUE UPON RECEIPT

Job Site:  
OUR SHOP

**WORK ORDER INVOICE**

Bill To: Account #  
LIVERMORE PC517  
4977 SOUTHFRONT RD  
LIVERMORE, CA 94551-9748

Job # PO  
Job Loc OUR SHOP  
Warranty N Expires 5/02/12 Claim #  
Last Cont/Cust 33318644/ 542699 Current Meter 183.000  
Service Call N Mechanic 51722831  
Date Acquired 5/02/11 Date In Rent 5/02/11  
Current Location 517 Owning Location 517  
Equipment Status O ON RENT  
Work Order Description ROUTINE MAINT - CHECK IN

Engine Model JOHN DEERE/4045HF285  
Engine Serial # PE4045L147350

Air Reg # RW5S55  
Air Reg Expires

**\*\* Important Information \*\***

Equip #	Make	Model	Serial #	Description
341167	GENIE	GTH-1056	GTH1011-14786	10,000LB 55' SHOOTIN

**Steps Performed:**

PERFORM INSPECTION/ANY NECESSARY MAINTENANCE  
WALK AROUND UNIT AND INSPECT FOR:  
CHK OPERATORS MANUAL (PRESENT AND COMPLETE)  
COND. OF ALL DECALS/PLACARDS/WARNINGS/UNIT #  
CHK WEIGHT AND LOAD CHART (PRESENT/LEGIBLE)  
FUNC OF FRAME LEVEL/BOOM ANGLE/LENGTH IND.  
FUNC OF LGHTS/TURN SIG/BCKUP ALRM/ROTAT BEAC  
CHK OPERATION OF HORN  
CHK FORKS & CARRIAGE FOR DAMAGE (BENDS/HOLES  
CHK EXTEND OUTRIGGERS & OPERATION  
INSPECT MAJOR STRUCTURAL COMPONENTS & WELDS  
CHK MIRRORS AND WINDOW GLASS FOR DAMAGE  
EXTEND BOOM, INSP FOR DAMAGE-CHK THE COND OF  
CHK TIRES FOR:  
CHK STEERING COMPONENTS  
CHK BATT FLUID LEVEL, CABLE CONNECT, HOLD DW  
CHK BATTERY CHARGING SYSTEM  
CHK BATTERY FLUID SPECIFIC GRAVITY (IF APP)  
CHK ENGINE, HYD. &/OR TRANSMISSION FLUIDS  
CHK PLANETARY OR DIFFERENTIAL LEVEL  
CHK BRAKE FLUID LEVEL  
CHK BELTS AND PULLEYS

CONTINUED...

Comments:

Mechanic Signature

Date



Sunstate Equipment Rental

75 E Equipment Ct

Frenchcamp CA 95231

2-22-12

To Whom It May Concern,

Sunstate Equipment Rentals, Inc. has an well-known maintenance system which  
Regularly keeps our equipment at or exceeding manufacturers recommended service  
Levels and in proper operational condition.

Our factory trained mechanics maintain all our owned rental equipment to manufactures  
Specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a  
Copy of a work order for service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call

Dustin Holmes

209-482-7470



2911 E. Fremont St.  
Stockton, Ca 95205  
Jeremy Davis  
209-321-3488

Updated:2/22/12

To Whom It May Concern,

United Rentals, Inc. has an well-known maintenance system which regularly keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

Our factory Trained mechanics maintain all our owned rental equipment to manufactures specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of a work order for a service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call Jeremy Davis at 209-321-3488 or John Borelli at 209-461-2816.



Sunstate Equipment Rental

75 E Equipment Ct

Frenchcamp CA 95231

2/24/11

To Whom It May Concern,

Sunstate Equipment Rentals, Inc. has an well-known maintenance system which Regularly keeps our equipment at or exceeding manufacturers recommended service Levels and in proper operational condition.

Our factory trained mechanics maintain all our owned rental equipment to manufactures Specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a Copy of a work order for service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call

Dustin Holmes

209-482-7470



**Corporate Headquarters**  
318 Stealth Court  
Livermore, CA 94551  
(925) 961-0130

February 22, 2012

Overaa Construction

200 Parr Blvd.

Richmond, CA 94801

Re: Cat TL1055 Forklift 0520-3049

To whom it may concern,

Please let this letter serve as documentation that forklift number 0520-3049 (EIN# KB6X77) is powered by a Tier 3 certified CAT diesel engine. The engine information is as follows:

2008 CAT C4.4 125HP

Family 8PKXL04.4NJ1

Serial number 44403238

In addition, this machine has been maintained according to the manufacturer's recommended preventative maintenance schedule.

Please call or e-mail me if you need any further information.

Regards,

A handwritten signature in black ink, appearing to read 'Tyler Hardy', is written over the printed name.

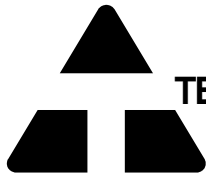
Tyler Hardy

General Manager-Product Support

Cresco Equipment Rentals

PH: 925-228-9152 ext. 225, [tyler\\_hardy@crescorent.com](mailto:tyler_hardy@crescorent.com)

BURLINGAME (650) 347-4660	FAIRFIELD (707) 863-7504	GILROY (408) 846-1830	LIVERMORE (925) 456-9750	MONTCLAIR (510) 601-6480	PLEASANT HILL (925) 827-1742	RICHMOND (510) 233-5677	SANTA ROSA (707) 588-7434	SO. SAN FRANCISCO (650) 588-3267
DANVILLE (925) 837-4475	FREMONT (510) 793-5881	LAFAYETTE (925) 284-4595	MARTINEZ (925) 228-9811	OAKLAND (510) 383-1099	PLEASANTON (925) 846-0151	SANTA CLARA (408) 235-8840	SAN FRANCISCO (415) 920-2801	WALNUT CREEK (925) 934-5250



## TEICHERT CONSTRUCTION

*Established 1887*

February 21, 2012

**CH2M Hill  
Brad Allender**

**RE: Mariposa Energy Project**

**SUBJECT: Off Highway Diesel Engine Maintenance Compliance**

Mr. Allender,

This correspondence is to confirm A. Teichert & Son, Inc. maintains all off highway diesel engines in accordance with manufacturers' OEM specification.

Best regards,

Patrick Maul  
Equipment Superintendent,  
Teichert Mobile Equipment Division





March, 20012

## **HOLT OF CA/THE CAT RENTAL STORE**

7310 Pacific Ave  
Pleasant Grove, CA 95668  
916-921-8822

To Whom it may concern,

Holt of CA is providing construction rental equipment to the Mariposa Energy Project and maintains the equipment per the manufacture's specifications.



Wednesday, February 1<sup>st</sup>, 2012

To Whom It May Concern,

Cresco Equipment Rentals has an established maintenance system which routinely keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

For large, metered equipment we have initial machine services done within the first 50 or 100 hours of the machine life, then regularly scheduled maintenance every 250 hours or per the various equipment manufacturer specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of a work order for a service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call John Mazur or Tyler Hardy at Cresco Product Support 925-228-9152.

Thank You,  
John Mazur  
Service Manager  
Cresco Product Support

191 Howe Rd  
Martinez CA, 94553  
925-228-9152 ext.224  
925-228-4552 fax



March 1, 2012

To whom it may concern:

I Rick Flores, owner operator am responsible for the maintenance of my backhoe.

*Rick Flores*



Equipment 119785 is a JLG 600s Tier 3 boom that has passed Safety Inspection per manufactures requirements on site 3/01/12. Unit 56243 is a Xtreme 842 that has passed Safety Inspection per manufactures requirements on site 3/01/12.

Thank You  
Shawn McCutcheon  
Ahern Rentals  
Service Manager 062

**AQCMM Monthly Report**  
**Attachment 2**

**TIER 3**  
**Non-availability quotes**



AZCO INC

Ben Row

RSC Equipment Rental currently has no aerial work platforms diesel or gas powered available with Tier 3 engines.

If you have any further questions or inquires please contact me . Contact info is below.

Thank you

John R Stanton Jr  
Account Manager  
[jihnrstanton@rscrental.com](mailto:jihnrstanton@rscrental.com)

925-584-1996

## Allender, Bradley/BAO

---

**From:** Brian Womble [brian\_womble@crescorent.com]  
**Sent:** Thursday, October 13, 2011 10:39 AM  
**To:** Row, Ben  
**Subject:** out of stock

Mr.Row call to get two Tier 3 diesel booms one 45'straight boom and a 65' straight boom on Wednesday the 12<sup>th</sup> of October @ 2:00 pm .

Both booms were out of stock, Due to high demand on tier 3 and diesel and other projects going on.

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**EQUIPMENT  
CORPORATION**

**HEAVY CONSTRUCTION EQUIPMENT RENTALS**

---

REGIONAL HQ: 30243 KELSEY STREET VISALIA, CA 93291 (559) 651-0116 (800) 729-3226 FAX (559) 651-0986

**DATE:** July 18, 2011

**FROM: JIM ELI, NORTHERN CALIFORNIA FIELD REP**

5135 Red Rock Drive, P.O. Box 565, Foresthill CA 95631

Mobile: (916) 997-7492

Fax: (916) 880-5589

E-mail: jim.eccoequip@yahoo.com

**TO: PAT MAUL**

**TEICHERTCONSTRUCTION**

916-296-9991

Via e-mail to pmaul@teichert.com

Pat, please accept this memorandum as certification that ECCO Equipment Corp. does not have a Tier 3 D9 or a Tier 3 14H/M available for the Mariposa Energy project.

Thank you,

Jim Eli

**UNITED EQUIPMENT COMPANY**  
**P.O. BOX 740 - 600 W. GLENWOOD**  
**TURLOCK, CA 95381**

**TELEPHONE (209) 632-9931**  
**FAX (209) 632-8349**

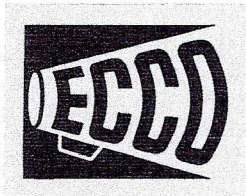
TO JULIE DATE 8/23/11 PAGES 1

BE, CHAS FROM TOM

THANK-YOU FOR YOUR INQUIRY. PRESENTLY  
WE DON'T HAVE ANY TIER 3, 100 000 # EXCAVATORS  
AVAILABLE FOR RENT.

THANK-YOU.

*Michael Zeller*



HEAVY CONSTRUCTION  
EQUIPMENT RENTALS

# **ECCO**

## **Equipment Corporation**

30243 KELSEY STREET • VISALIA, CA 93291  
(559) 651-0116 • (800) 729-3226 • FAX (559) 651-0986

August 24, 2011

To Whom It May Concern:

Re: Mariposa Energy Project

Teichert Construction has contacted ECCO Equipment in search of a 100,000 lb., tier 3 excavator for rental. Due to availability of equipment, at this time, ECCO is unable to meet their demand.

Thank You

Veronica Mendoza/Dispatcher  
ECCO Equipment Corporation



UNITED EQUIPMENT COMPANY  
P.O. BOX 740 - 600 W. GLENWOOD  
TURLOCK, CA 95381

TELEPHONE (209) 632-9931  
FAX (209) 632-8349

TO JULE 944-7448 DATE 8/18/11 PAGES 1  
983-4060

TRICHERT CONSTRUCTION FROM TBM

THANK-YOU FOR YOUR INQUIRY REGARDING  
T-3 LOADERS. PRESENTLY WE HAVE NO TIER  
3 MACHINES AVAILABLE FOR RENT.

*Thomas J. Sullivan*  
8/18/11

## Allender, Bradley/BAO

---

**From:** Julie Range [JRange@teichert.com]  
**Sent:** Thursday, August 18, 2011 12:59 PM  
**To:** CJ Boone  
**Cc:** Pat Maul  
**Subject:** FW: 966

[Loader letter](#)

---

**From:** [CTurk@holtca.com](mailto:CTurk@holtca.com) [<mailto:CTurk@holtca.com>]  
**Sent:** Thursday, August 18, 2011 10:48 AM  
**To:** Julie Range  
**Subject:** 966

Julie,

Holt of California/The Cat Rental Store does not have a tier 3 966 wheel loader available. The best available technology would be a tier 2 compactor.

Please let me know if you have any questions.

Thank you,  
Collin

Sent from my iPhone

Julie Range

---

**From:** CTurk@holtca.com  
**Sent:** Friday, August 12, 2011 11:05 AM  
**To:** Julie Range  
**Subject:** 84" padded compactor

Julie,

Holt of California/The Cat Rental Store does not have a tier 3 CP56 compactor available. The best available technology would be a tier 2 compactor.

Please let me know if you have any questions.

Sent from my iPhone

**UNITED EQUIPMENT COMPANY**  
**P.O. BOX 740 - 600 W. GLENWOOD**  
**TURLOCK, CA 95381**

**TELEPHONE (209) 632-9931**  
**FAX (209) 632-8349**

TO JANE (985-2375) DATE 8/12/11 PAGES 1

TEACHER FROM DM

THANK-YOU FOR YOUR RENTAL REQUEST  
FOR A LATE MODEL MER 3 84" PASSENGER  
WE DO NOT HAVE ONE

WE DO HAVE A 2005 84" PASSENGER

THANK-YOU.

*Thomas J. Miller*

To: Pat Maul, Teichert Construction

6/28/11

From: Kevin Freeman, Holt of Cal.

Subject: Tier three rental units

Pat,

In reference to renting 631 Scrapers, 14M motorgrader and D9T tractors, we currently do not have any of these late model Tier 3 units available. We inventory the D9T and 14M, however they are on long term rental.



Sincerely, Kevin Freeman



# AIR QUALITY MGMT. REPORT MARIPOSA ENERGY PROJECT

Prepared for: Debi Hertz CH2M HILL

Prepared by: Norman Price PG&E

Date: March 02, 2012

This report is prepared in accordance with the requirements of the Air Quality Construction Mitigation Plan, AQ-SC2, Section 6.

## **AQ-SC3, AQ-SC4, AQ-SC5**

### **• Wind Erosion Control Techniques**

o Site was watered as required to limit dust erosion. Slopes hydroseeded.

### **• Speed Limit Signage**

o Installed previously. Post size and location modified for visibility as needed.

### **• Track Out BMPs**

o Installed previously. Washed stone added as additional track out BMP.

### **• Paved Road Sweeping Activities**

o Bruns Rd at the site entrance was swept as needed.

### **• Complaints Filed**

o None

### **• Dust Plume Response**

o Site and site access road were watered regularly in order to mitigate dust plumes.

Appendix B Equipment Survey Forms, PG&E and Snelson

Equipment maintenance letters for equipment on site at the end of the month are Attached.

o Tier 2 Backhoe (PG&E) exemption requested per AQ-SC5.b.4

# Appendix B Equipment Survey Form

Appendix B

Equipment Survey Form

SNELSON

Equipment Type	Model Year	Manufacturer	Horsepower	EPA/ARB Engine Tier
Excavator 321D CAT	C6.4 2009	Engine Mitsubishi	157	Tier 3
Excavator 321D CAT	C6.4 2008	Engine Mitsubishi	148	Tier 3
CAT LOADER IT38H 938	C6.6 2008	Engine Perkins	160	Tier 3
Atlas Copco Compressor PTS916	2007	Cat	575	Tier 3
Kenworth, water truck	t370-2010	Cummings	300	Tier 3

Note:

For all construction equipment 50 hp or higher that do not meet the Tier 3 California Emmission Standards for Off-Road Compression-Ignition Engines, quotes from two separate vendor sources must be attached, documenting that the equipment in question is not available at the Tier 3 level.



# Appendix B Equipment Survey Form

Appendix B

Equipment Survey Form

PACIFIC GAS & ELECTRIC Co.

Equipment Type	Model Year	Manufacturer	Horsepower	EPA/ARB Engine Tier
Backhoe 310 G B1-9440	2005	John Deere	276ci	Tier 2

Note:

For all construction equipment 50 hp or higher that do not meet the Tier 3 California Emmission Standards for Off-Road Compression-Ignition Engines, quotes from two separate vendor sources must be attached, documenting that the equipment in question is not available at the Tier 3 level.



2911 E. Fremont St.  
Stockton, Ca 95205  
Jeremy Davis  
209-321-3488

Updated:9/22/11

To Whom It May Concern,

United Rentals, Inc. has an well-known maintenance system which regularly keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

Our factory Trained mechanics maintain all our owned rental equipment to manufactures specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of a work order for a service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call Jeremy Davis at 209-321-3488 or John Borelli at 209-461-2816.



2911 E. Fremont St.  
Stockton, Ca 95205

~~Jeremy Davis~~  
209-321-3488

## **Equipment Information Sheet**

### **Customer Information: Snelson Companies, Inc.**

Equipment #: 1157220

Equipment Type: Water Truck

Equipment Make: Kenworth

Equipment Model: t370

Equipment Serial #: 2NKHLN9XXBM281655

Equipment Year: 2010

Cat-Class: 953-2226

Engine Mfr: Cummins Power Gen

Engine Model: PX-8 300

Engine Model Year: 2010

Engine Serial #: 73088719

Engine Family I.D.: ACEXH0505CAC

Fuel Type: diesel

Engine Displacement: 8.3 L

California Carb #:

Max Engine H.P.:

Engine Tier Level: Tier 3

## **Equipment Maintenance History**

**Equipment #:**

Work Order #	Work Order Description	Date	Location
--------------	---------------------------	------	----------



2911 E. Fremont St.  
Stockton, Ca 95205  
Jeremy Davis  
209-321-3488

## **Equipment Information Sheet**

**Customer Information: Snelson Companies, Inc.**

Equipment #: 1157220

Equipment Type: Water Truck

Equipment Make: Kenworth

Equipment Model: t370

Equipment Serial #: 2NKHLN9XXBM281655

Equipment Year: 2010

Cat-Class: 953-2226

Engine Mfr: Cummins Power Gen

Engine Model: PX-8 300

Engine Model Year: 2010

Engine Serial #: 73088719

Engine Family I.D.: ACEXH0505CAC

Fuel Type: diesel

Engine Displacement: 8.3 L

California Carb #:

Max Engine H.P.:

Engine Tier Level: Tier 3

## **Equipment Maintenance History**

**Equipment #:**

Work Order #	Work Order Description	Date	Location
--------------	---------------------------	------	----------

\*\* COPY \*\*

7/18/11

WORK ORDER

0000029134570001

CRESO - REDDING  
1453 GEORGE DR  
REDDING, CA 96003

11699 9027  
pg 1-2

OUR SHOP  
RDDG

JOEH

Equip #	Make	Model	Serial #	Description
116999027	CAT	TIER3 IT38H	CABNJ00223	CAT IT38G INTEGRATED
	Work To Be Done			
	1000HR SERVICE			
Qty	Description	Part Number	U/M	Price

Steps Performed:

\*\*\*\*\*TURN-AROUND\*\*\*\*\*

WASH

INSPECT FOR DAMAGES

TEST ALL OPERATIONAL FUNCTIONS

CHECK FOR PROPER SAFETY DECALS & READABLE

CHECK BACK-UP ALARM

TEST HORN

INSPECT SEAT AND BELT

CHECK TIRES FOR CUTS, NAILS AND WEAR - INFLATE

CHECK FOR OPERATORS MANUAL

CHECK OIL LEVEL

CHECK FUEL LEVEL

CHECK AIR FILTERS

CHECK HYD OIL LEVEL

CHECK COOLANT LEVEL & CONDITION

→ 1000 HR SVC

DONE 7-18-2011

AT 1756.6 on Meter

CONTINUED...

-NEXT 250 DUE

AT 2006.6

-ON RENT 1-19-12

AT 1877.0 on Meter

\*\* COPY \*\*

12/02/11

W O R K O R D E R

0000030118650001

CRESCO - SANTA CLARA  
805 COMSTOCK STREET  
SANTA CLARA, CA 95054

1185 5019

PG 1-2

OUR SHOP  
SCL

PATRICK

Equip #	Make	Model	Serial #	Description
11855019	CAT	TIER3 321D LCR	THUMNAS00411	CAT 320/321 EXCAVATO
		Work To Be Done		
		250 HR SERVICE		
		Labor		42.00
		1 fuel filter 326-1644		
Qty	Description	Part Number	U/M	Price

Steps Performed:

\*\*\*\*\*TURN-AROUND\*\*\*\*\*

WASH

INSPECT FOR DAMAGES

TEST ALL OPERATIONAL FUNCTIONS

CHECK FOR PROPER SAFETY DECALS & READABLE

CHECK BACK-UP ALARM

TEST HORN

INSPECT SEAT AND BELT

CHECK FOR OPERATORS MANUAL

CHECK OIL LEVEL

CHECK FUEL LEVEL

CHECK AIR FILTERS

CHECK HYD OIL LEVEL

250 HR SVC

DONE 12-2-2011

AT 460.8 ON METER

CONTINUED...

-NEXT 250 DUE  
AT 710.8 ON Meter.

-ON RENT 1-3-12  
AT 539.6

## Price, Norm

---

**From:** Lewis Whitmire <LWhitmire@SNELSONCO.COM>  
**Sent:** Friday, February 10, 2012 4:03 PM  
**To:** Price, Norm  
**Subject:** Fwd: PTS916-C3ACXX Equip 638408 customer service history on this unit.  
**Attachments:** PTS 916 638408 Oil change intervals.xlsx; ATT00001.htm; PTS916 Eq 638408 Engine oil analysis history.pdf; ATT00002.htm; 638408.pdf; ATT00003.htm

Sent from my iPhone

Begin forwarded message:

**From:** "ronnie.jones@us.atlascopco.com" <ronnie.jones@us.atlascopco.com>  
**To:** "Lewis Whitmire" <LWhitmire@SNELSONCO.COM>  
**Cc:** "dwix@snelsonco.com" <dwix@snelsonco.com>  
**Subject:** Fw: PTS916-C3ACXX Equip 638408 customer service history on this unit.

Lew,

Please see below the maintenance history and carb permit for our rental unit. Please let me know if you require additional information.

Best regards,

Ronnie Jones  
Area Sales Manager  
Atlas Copco Rental  
48434 Milmont Dr  
Fremont, CA 94538 USA

Phone: +1 (510) 562-5533 - Fax: +1 (714) 648-0084 - Mobile: +1 (707) 590-3025 - Toll Free: +1 (800) 736-8267  
E-mail: [ronnie.jones@us.atlascopco.com](mailto:ronnie.jones@us.atlascopco.com)  
Visit Atlas Copco at: [www.AtlasCopcoRental.com](http://www.AtlasCopcoRental.com)

Equip #: 638408  
Status: AVAILABLE  
Type: R RENTAL  
Make: ATLASCOPCO  
Model: PTS916-C3ACXX  
Serial #: AIP585615  
Cur Mi/Hr: 4825  
ENGINE SN WJH01612 DOB 12/05/06

Jeff,

Next 250 due at 710.8

On rent 1-3-12 at 539.6 on meter

#11699 9027 -

1000 hr service done 7-18-2011 at 1756.6 on meter

Next 250 due at 2006.6

On rent 1-19-12 at 1877 on meter

#1185 5021 -

250 hr service done 10-21-2011 at 812.0 on meter

Due for 1000 hr service at 1062

On rent 1-3-2012 at 1027.5 hrs on meter

Please check current meter readings on the machines and contact Livermore to schedule a field service if needed.

Thanks,

John

John Mazur

Cresco Product Support

191 Howe Rd

Martinez CA, 94553

925-228-9152 ext.224

925-228-4552 fax





## **Pacific Gas and Electric Company®**

February 13, 2012

Hello:

Pacific Gas and Electric Company have well-established equipment and vehicle system preventive maintenance programs in which we keep our units at manufacture recommended specifications.

Here is the equipment information for the unit specific to this project B19440.

Equipment ID	Model year	Manufacturer ID	Model ID	License number	Serial number	Equipment description	Latest meter 1 reading	Latest meter 1 date	Next PM due date	Life meter 1 at last PM
B19440	2005	JHNDR	310G 4X4	SE550229	T0310GX950827	BACKHOE/LOADER-TIRES -4X4	2286	1/30/2012 8:46	7/10/2012	2255

The 'A' or minor preventive maintenance is preformed every 210 days or 350 hours whichever comes first and the "B" or major preventive maintenance is preformed every 630 days. All maintenance and repair work is documented on work orders specific to each unit and a copy of a work order can be produced upon request.

If, you have any questions regarding the maintenance history of our units please contact Mel Byrd .

Thank you,

Mel Byrd, Fleet Analyst  
PG&E  
3400 Crow Canyon Rd  
San Ramon, CA 94583

**Exhibit 9**

**Resource Specialists' Monthly Reports**

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## **Biological Resources Monthly Report**

---

# **Biological Resources Mitigation Monitoring Monthly Compliance Report for the Mariposa Energy Project February 2012**

Prepared for  
**Mariposa Energy, LLC**

March 2012

**CH2MHILL**

2485 Natomas Park Drive  
Suite 600  
Sacramento, CA 95833

**Designated Biologist:**  
Todd Ellwood, CH2M HILL  
155 Grand Avenue, Suite 800  
Oakland, CA 94612  
Direct: (408) 839-2402

Email: [todd.ellwood@ch2m.com](mailto:todd.ellwood@ch2m.com)

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# Acronyms and Abbreviations

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AMBA	American badger
BMP	Best Management Practice
BM	Biological Monitor
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan
BUOW	burrowing owl
BBID	Byron Bethany Irrigation District
CDFG	California Department of Fish and Game
CEC	California Energy Commission
CPM	Compliance Project Manager
CRLF	California red-legged frog
CTS	California tiger salamander
CTG	combustion turbine generator
cogen	cogeneration
COC	Condition of Certification
D	Drainage
DB	Designated Biologist
ECM	Environmental Compliance Manager
kV	kilovolt(s)
MEP	Mariposa Energy Project
PG&E	Pacific Gas & Electric
RWQCB	Regional Water Quality Control Board
SJKF	San Joaquin kit fox
WPPP	Stormwater Pollution Prevention Plan
SWHA	Swainson's hawk
USACE	U.S. Army Corps of Engineers
WPT	western pond turtle
WEAP	Worker Environmental Awareness Program

## SECTION 1

# Introduction

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This Monthly Compliance Report for the Mariposa Energy Project (MEP) has been prepared to comply with California Energy Commission (CEC) Condition of Certification (COC) BIO-2. MEP will be a nominal 200-megawatt (MW) simple-cycle generating facility consisting of four General Electric Energy LM6000 PC-SPRINT natural gas-fired combustion turbine generators and associated equipment. The facility will be located in northeastern Alameda County, California, on an approximately 10 acres of a 158-acre parcel that consists of non-irrigated grazing land, a former wind-turbine development, and an existing cogeneration (cogen) power plant. The MEP site is approximately 7 miles northwest of Tracy, 7 miles east of Livermore, 6 miles south of Byron, and approximately 2.5 miles west of the community of Mountain House.

Temporary construction facilities will include a 9.2-acre worker parking and laydown area immediately east of the MEP site and a 1-acre water supply pipeline parking and laydown area located at the Byron Bethany Irrigation District (BBID) headquarters facility on Bruns Road. Equipment staging for the construction of the transmission line and gas line will take place in the 9.2-acre laydown area. The main laydown area will be in use for approximately 14 months, including during the wet season. Because heavy machinery will be used at the site, portions of the 9.2-acre laydown area will require gravel or road base with an underlayment of geotextile fabric for stabilization. Topsoil stripped from the laydown will be stockpiled onsite inside the laydown area. During project completion, ripping will be performed to a depth no less than 2 feet to reduce compaction of underlying native soils. The resulting roughed soil surface will be smoothed and covered with salvaged topsoil removed from the laydown area during initial ground-breaking activities. The base rock and fabric underlayment will be removed before ripping and replacing the topsoil. This procedure will facilitate post-construction restoration. The temporary laydown area for the water supply pipeline will be located within an existing maintenance yard at BBID's headquarters.

The existing gravel road from Bruns Road provides access to the Byron Cogen Power Plant. A portion of this gravel road will be improved and used during construction and operation of MEP. Improvements resulting in a permanent loss of grassland habitat include widening the road from approximately 10 to about 20 feet, and adding an asphalt layer. Temporary overland access routes to the transmission line corridor and gas line corridor will originate from this main road and all access to the offsite facilities work areas will occur in upland grassland areas only. All nearby seasonal wetlands, such as vernal pools, will be avoided during overland access. Access to the water supply pipeline corridor will be from existing roads including Bruns Road, a portion of the onsite main access road, and a BBID agricultural dirt road.

In addition to the new power plant and associated equipment, the Project includes the following offsite facilities:

- A new 580-foot-long, 8-inch-diameter natural gas pipeline connection with Pacific Gas & Electric's (PG&E) existing high-pressure gas line
- A new 1.8-mile-long, 10-inch-diameter water supply pipeline connection with BBID's Canal 45;
- An approximately 0.7-mile-long, single-circuit, three-phase, 230-kilovolt (kV) transmission line interconnection

The gas pipeline will run generally to the east from the project site, staying on the 158-acre project parcel, and will be installed in a relatively shallow trench. The water supply pipeline will be placed in or along Bruns Road and run from Canal 45 south to the power plant site. The water supply pipeline will cross seven culverts using either underground tunneling (pipe ramming) or open-cut trenching. From Bruns Road, the water supply pipeline will follow the existing access road to the power plant site. The 230-kV line will run generally north from the project site, staying east of the Byron Power Cogen Plant, crossing Kelso Road, and staying east of the PG&E Bethany Compressor Station. It will turn west just north of the Kelso Substation, then turn south to the final interconnect point at PG&E's Kelso Substation.

The project was designed to avoid significant adverse impacts to sensitive biological resources to the furthest extent feasible. Protection measures were developed during informal and formal consultation with state and federal agencies to minimize unavoidable project impacts. Project approval from the CEC was issued on May 18, 2011, and included conditions that must be monitored by the Designated Biologist (DB). The U.S. Army Corps of Engineers (USACE) Nationwide Permit (SPK-2009-01261) (including U.S. Fish and Wildlife Service Biological Opinion [Reference #84120-2009-F-1306-2]) was issued to the project on May 17, 2011. The Regional Water Quality Control Board (RWQCB) 401 Water Quality Certification (WDID #5B01CR00012) was issued to the project on May 26, 2011. The DB and/or Biological Monitor (BM) will be available during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP) which includes the aforementioned permits. The following report includes a summary of the MEP monitored biological activities for February 2012.



## SECTION 2

# Monitored Mitigation Measures

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Mitigation measures for the MEP were developed through consultation with the CEC (in consultation with California Department of Fish and Game [CDFG]), USACE, USFWS, and RWQCB. Documentation of compliance with any conditions of the agency permits will be included in this section when required on the project.

## 2.1 Conditions of Certification

All COCs were in compliance for the month of February. The following COCs – BIO-5, BIO-7, BIO-8, BIO-9, BIO-10, BIO-11, BIO-12, BIO-13, BIO-14, BIO-15, and BIO-17 – were applicable compliance measures and require specific language to be included in each monthly compliance report. Therefore, each is addressed separately below.

### 2.1.1 BIO-5

BIO-5 states that every worker will attend and participate in the Worker Environmental Awareness Program (WEAP) and the DB and/or BM make site visits to insure that BIO-5 was in compliance. A total of 154 personnel received WEAP training in February. During the month of February, DB Todd Ellwood and BMs Steve Sykes and G.O. Graening verified project compliance with BIO-5.

### 2.1.2 BIO-7

BIO-7 addresses the implementation and application of biological impact and avoidance measures, Best Management Practices (BMPs), Stormwater Pollution Prevention Plan (SWPPP), and staking and flagging of exclusion zones of biological resources. Also, every worker must participate in the WEAP and the DB and/or BM are to make site visits to insure that BIO-7 was in compliance during the month of February.

Installation of worker exclusion fencing and wildlife exclusion fencing progressed in several phases to accommodate construction activities while breeding burrowing owls were present within the project footprint. The first phase (Phase 1) of the fencing plan was completed on June 14, 2011, and included the area associated with the fire pump foundation and water line. Subsequent phases of the fencing plan were completed on July 6, July 11, July 21, July 25, September 30, 2011, and January 3, 2012. The BMPs implemented to minimize temporary impacts to Waters of the U.S. were sent to the USACE on June 30, 2011.

During the month of February, minor repairs were made to wildlife exclusion fencing to repair damage primarily due to strong winds. Ground squirrels or other small mammals occasionally burrowed under the fencing, and these holes were filled by moving loose dirt back into the hole using a boot or hand. During the month of February, the DB and BMs verified project compliance with BIO-7 and the conditions of the USACE permit, USFWS Biological Opinion, and RWQCB permit.

### 2.1.3 BIO-8

BIO-8 requires that preconstruction nest surveys be conducted for birds for all project components (i.e., power plant site and linear facilities). Surveys are to include all potential nesting habitat within 500 feet of the MEP site and linear facilities (except for Swainson's hawk [SWHA], see BIO-15). At least two preconstruction surveys are to be conducted, separated by a minimum 10-day interval. One of the surveys needs to be conducted within the 14-day period preceding initiation of construction activity. Additional follow-up surveys may be required if periods of construction inactivity exceed three weeks in any given area. If active nests are detected during the survey, a no-disturbance buffer zone (protected area surrounding the nest, the size of which is to be determined by the DB in consultation with CDFG and USFWS Migratory Bird Office) and monitoring plan must be developed. The monitoring plan is to include avoidance measures and remedial actions if the avoidance measures are not successful. Nest locations are to be mapped using GPS technology and submitted, along with a weekly report stating the survey results, to the Compliance Project Manager (CPM). The DB is to monitor the nest until he determines that nestlings have fledged and dispersed; activities that might, in the opinion of the DB, disturb nesting activities, are to be prohibited within the buffer zone until such a determination is made. No less than 2 days prior to the start of any ground disturbing activities or construction equipment staging, the project owner is to provide the CPM a letter-report describing the findings of the preconstruction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed.

A survey for nesting birds was performed for the MEP site and linear facilities (and surrounding areas) and submitted to the CEC on May 27, 2011, in anticipation of an early June 2011 start date. Included with the survey report was the bird nest monitoring plan. The DB and BMs performed the preconstruction surveys following standard survey techniques. Based on the surveys conducted in August, all known nests are no longer active, and this was reported in the weekly nesting update submittal dated August 18, 2011. In February, daily monitoring included surveys for any birds or nests that might be present within construction areas and their buffer zones; no nests were observed.

### 2.1.4 BIO-9

BIO-9 requires that the project owner implement measures to manage their construction site, and related facilities, in a manner to avoid or minimize impacts to listed fairy shrimp or tadpole shrimp species and habitat. Avoidance and minimization measure are to include a buffer zone of 250 feet or the limit of the immediate watershed supporting the seasonal wetland (whichever is larger) around all known and potentially occupied branchiopod habitat. The buffer zone is to be delineated with temporary fencing. The fencing must be kept in good repair and remain installed for the duration of MEP construction. If this buffer zone is not feasible for any potential habitat, a buffer zone may be delineated in consultation with CDFG and USFWS. The BM will be onsite during all ground disturbing work within 250 feet of potential branchiopod habitat, and will oversee all off-road vehicle access for the project. To the extent possible, construction of the linear projects will occur during the dry summer season to minimize the potential for indirect effects on nearby branchiopod habitat.

A reduced buffer zone of 25 feet along the transmission line corridor was approved by the USFWS in the Biological Opinion. The buffer zone was delineated with worker exclusion

fence (BIO-7) on June 14, 2011. During the month of February, construction work did occur within the transmission line corridor. The DB and BMs were onsite daily during construction activities and verified project compliance with BIO-9.

### 2.1.5 BIO-10

BIO-10 requires a CPM (in consultation with the USFWS and CDFG)-approved California red-legged frog (CRLF) and California tiger salamander (CTS) management plan that presents measures to manage the construction site, and related facilities, in a manner to avoid and minimize impacts to CRLF and CTS. The measures are to include at a minimum: avoidance; exclusionary fencing; clearance surveys; burrow avoidance along linear routes; daily checks for CRLF and CTS under equipment; seasonal work restrictions; habitat avoidance; speed limits; road mortality monitoring along Bruns Road; implementation of SWPPP BMPs; and installation of a perimeter barrier around the MEP site during plant operations. No less than 30 days prior to the start of any project-related ground disturbance, the project owner is to provide the final Management Plan to the CPM, CDFG, and USFWS. The final, approved Management Plan must be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented. Within 60 days of completion of the permanent power plant site fence, the project owner is to submit a figure and photographs to the CPM, CDFG, and USFWS of the CTS and CRLF barrier fence.

The management plan was submitted to the CPM and USFWS on June 8, 2011. Preconstruction surveys associated with the fire pump foundation work and water line construction for CRLF and CTS were completed on May 27, May 31, and June 14. Additional preconstruction surveys associated with the progression of the wildlife exclusion fence (BIO-7) at the MEP site occurred on June 6, June 11, June 21, and June 25. Preconstruction surveys associated with the installation of utility poles and wiring by PG&E for the temporary power supply to the trailer village were performed on September 1. A preconstruction survey associated with extension of the wildlife exclusion fence to incorporate the area for the PG&E natural gas pipeline was conducted on September 29. Additional preconstruction surveys of the transmission line corridor were conducted on September 2 and 6.

Construction activities occurred within the transmission line corridor during the month of February. No CRLF or CTS were observed during the surveys and none have been found onsite during project construction. The DB and/or BM were onsite daily during construction activities and verified project compliance with BIO-10.

### 2.1.6 BIO-11

Requires direct impacts avoidance to western pond turtle (WPT) by implementing preconstruction surveys concurrent with the CRLF and CTS preconstruction surveys (BIO-10). WPT must be avoided to the extent possible and avoidance areas are to be delineated by exclusionary fencing. If WPTs are found within the project disturbance area that cannot be avoided, the animal must be relocated to the CPM (in consultation with CDFG)-approved relocation site. The project owner is to submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures. Within 30 days after completion of

construction of the project linears, the project owner is to provide to the CDFG and CPM a written construction termination report identifying how impact minimization measures have been completed.

Preconstruction surveys associated with the fire pump foundation work and water line construction for WPT were completed on May 27, May 31, and June 14. Additional preconstruction surveys associated with the progression of the wildlife exclusion fence (BIO-7) at the MEP site occurred on June 6, June 11, June 21, and June 25. Preconstruction surveys associated with the installation of utility poles and wiring by PG&E for the temporary power supply to the trailer village were performed on September 1. A preconstruction survey associated with extension of the wildlife exclusion fence to incorporate the area for the PG&E natural gas pipeline was conducted on September 29. Additional preconstruction surveys of the transmission line corridor were conducted on September 2 and 6, and December 16, 2011.

During February construction, no WPTs were observed during the daily inspections and monitoring by the BMs. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-11.

### **2.1.7 BIO-12**

BIO-12 requires the project owner to implement the measures to manage their construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls (BUOW). These measures include: preconstruction surveys; avoidance measures such as buffer zones and monitoring; and implementation of a CPM (in consultation with CDFG)-approved BUOW management plan. The DB is to provide the CPM and CDFG preconstruction survey results within 10 days of the completion of the survey. If preconstruction surveys detect BUOW within 500 feet of proposed construction activities, the DB is to provide to the CPM and CDFG documentation indicating that non-disturbance buffer fencing has been installed no less than 10 days prior to the start of any project-related site disturbance activities. The documentation must include both a figure and photographs showing the location of the fencing. If preconstruction surveys detect BUOW or active BUOW burrows within the project disturbance area, the project owner must provide to the CPM and CDFG a final Burrowing Owl Mitigation Plan no less than 10 days prior to the start of construction. The measures described in the plan must be incorporated into the BRMIMP no less than 10 days of completion of the plan, and implemented. The project owner is to report monthly to the CPM and CDFG for the duration of construction on the implementation of BUOW avoidance and minimization measures. Within 30 days after completion of construction the project owner must provide to the CDFG and CPM a written construction termination report identifying how mitigation measures, including those measures described in the plan if a plan was required, have been completed.

The BUOW management plan was submitted to the CPM on April 24, 2011. A total of six active burrowing owl burrows were detected within 500 feet of the project area during preconstruction surveys (BIO-8). Of these, five of the burrows were within 250 feet of the project. Worker exclusionary fencing (BIO-7) was installed at least 250 feet from each of the five burrows and each breeding pair was monitored at a minimum weekly (described in the weekly bird nest monitoring reports) during project construction. Two breeding pairs that

occurred within the proposed 9.2-acre laydown area were determined to have abandoned the burrows on June 30, 2011; therefore, both burrows in coordination with the CPM and CDFG were fitted with one-way doors on July 5 (passive relocation) and subsequently excavated by hand and collapsed by the BM to prevent reoccupation on July 8. The owlets associated with a breeding pair located along the proposed MEP access road were determined to have fully fledged on July 13, 2011. Therefore, in accordance with the CEC and CDFG-approved management plan, the DB commenced passive relocation on July 15 and subsequently collapsed the burrow to prevent reoccupation.

One-way doors installed on burrows near the Byron Cogen facility remained in place during February. The doors were inspected regularly to ensure they remained in place and in good repair; no sign of BUOW was observed in this area. On a few of the blocked burrows, squirrels have dug holes around the doors, and are utilizing these burrows. It was decided not to interfere with this squirrel use, but simply to monitor these burrows for possible use by BUOW. No new active BUOW sites were discovered during the month of February. BUOW were observed infrequently in February in the pasture east of the transmission line corridor between structures 6 and 7, which is over 450 feet east of the project area.

The DB and/or BMs ensured that all site work that occurred during February avoided BUOWs and the worker exclusion fencing remained in good repair. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-12.

### 2.1.8 BIO-13

BIO-13 requires the avoidance of direct impacts to American badgers (AMBA) by implementing preconstruction surveys concurrent with the San Joaquin kit fox (SJKF) and BUOW preconstruction surveys. The DB must perform preconstruction surveys for AMBA dens in the project area, including areas within 200 feet of all project facilities, utility corridors, and access roads. If dens are detected each den is to be classified as inactive, potentially active, or definitely active. Den avoidance, monitoring, and destruction methods must adhere to those prescribed for SJKF avoidance and minimization (BIO-14). The project owner is to submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures. Within 30 days after completion of construction of the project, the project owner must provide to the CDFG and CPM a written construction termination report identifying how impact minimization measures have been completed.

The initial AMBA preconstruction survey occurred on May 31, 2011, and several follow-up surveys occurred associated with the progression of wildlife exclusion fencing (BIO-7). No AMBA or their sign (scat or tracks) were observed during preconstruction surveys. A total of nine potential SJKF dens, which were also considered potentially suitable for AMBA, were detected during the May 31 survey within 200 feet of the project. Seven of the nine burrows excavated by the DB and/or BMs in June and July 2011 were determined to be unoccupied by SJKF and AMBA, thus they were subsequently backfilled to prevent future occupation by both species. Consistent with the USFWS survey protocol, the other two potential kit fox dens were not excavated because they occur greater than 50 feet from the project site.

During February, no sign of kit fox or badger use was observed at any burrow and no individuals of these species were either observed or reported in the project area. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-13.

### 2.1.9 BIO-14

BIO-14 requires the project owner to prepare and implement a SJKF Management Plan that includes the following measures, developed in cooperation with USFWS and CDFG: preconstruction surveys; exclusion zones; avoidance measures related to destruction of dens; and avoidance and minimization measures related to construction and operational activities. The project owner is to submit to the CPM, CDFG, and USFWS the final SJKF Management Plan no less than 30 days prior to the start of ground disturbing activities or construction equipment staging. The mitigation measures in the plan must be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented. The project owner is to submit a report to the CPM and CDFG at least 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed minimization measures. No less than 30 days after completion of construction of the project linears, the project owner must provide to the USFWS, CDFG, and CPM a written construction termination report identifying how impact minimization measures in the plan have been completed.

The SJKF management plan was submitted to the CPM and USFWS on April 25, 2011. The initial SJKF preconstruction survey occurred on May 31, 2011, and several follow-up surveys associated with the progression of wildlife exclusion fencing (BIO-7) occurred during June. No SJKF or their sign (scat or tracks) were observed during preconstruction surveys. A total of nine potential SJKF dens were detected during the May 31 survey. In accordance with the management plan and USFWS Biological Opinion, seven burrows were excavated carefully by the DB and/or BMs in June and July 2011 were determined to be unoccupied by SJKF and AMBA, thus they were subsequently backfilled to prevent future occupation by both species.

No SJKF were observed or reported in the project area during February 2012. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-14.

### 2.1.10 BIO-15

BIO-15 requires that if construction occurs during the SWHA breeding season (March through August), a preconstruction nest survey must be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify active nests in the project site vicinity. Surveys are to be conducted according to the *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley*. If active nests are found within 0.5 mile of the project disturbance area, an initial temporary nest disturbance buffer must be established. If project related activities within the temporary nest disturbance buffer are determined to be necessary during the nesting season (approximately March 1 and September 1), then a biologist experienced with raptor behavior must be retained by the project owner to monitor the nest, and must, along with the project owner, consult with the CPM and CDFG to determine the best course of action

necessary to avoid nest abandonment or take of individuals. The DB or BM approved for raptor monitoring must be onsite daily while construction related activities are taking place and must have the authority to stop work if raptors are exhibiting agitated behavior. In consultation with the CPM and CDFG and depending on the behavior of the raptors, over time it may be determined that the onsite biologist/monitor may no longer be necessary due to the raptors' acclimation to construction related activities. The project owner must submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging, that describes when SWHA surveys were completed, identification and qualifications of the biologist conducting the surveys, observations, and, if required, updates to the BRMIMP based upon findings.

A single active SWHA nest was observed during preconstruction surveys (BIO-8) approximately 0.48 mile west of the MEP site in early summer 2011. Because the project lies within 0.5 mile of the nest site, the DB consulted with CEC and CDFG on June 10, 2011, and was authorized to reduce the avoidance buffer from 0.5 to 0.48 mile. During daily monitoring, it was determined by the DB that the nesting pair due to undetermined natural causes abandoned the nest site. The DB and/or BMs monitored the abandoned nest site weekly thereafter for any signs of re-occupancy. No nesting activity was observed during February. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-15.

### 2.1.11 BIO-17

BIO-17 requires avoidance and minimization of impacts to wetlands and waters. No less than 10 days prior to ground disturbance, the project owner must provide the CPM, CDFG, and USFWS with a report identifying the location of any protective fencing, including a figure and photographs that show the fencing. If bentonite will be used, an Emergency Spill Response Plan, a "Frac-out" Monitoring Plan, and a Biological Monitoring Plan must be submitted to the CDFG for review and comment and to the CPM for approval no less than 30 days prior to the start of project ground-disturbing activities. Plan approval must be obtained before construction using bentonite may commence. The project owner must report monthly to the CPM, CDFG, and USFWS for the duration of construction on the implementation avoidance and minimization measures. Within 30 days after completion of construction the project owner must provide to the USFWS, CDFG, and CPM a written construction termination report identifying how mitigation measures have been completed.

Starting on June 14, 2011, wildlife exclusion fencing and worker exclusion fencing (BIO-7) were installed for the protection of wetland and waters. No bentonite will be used during project construction; therefore, a frac-out monitoring plan will not be necessary. No impacts to wetlands and other jurisdictional waters occurred during February. Construction work along the transmission line corridor avoided Swale 1 (SW-1), Swale 2 (SW-2) and Drainage 2a (D-2a) by using trench plates. Plates were previously installed at D-2a in late December 2011 and they were reinstalled at SW-1 and SW-2 in January 2012. The DB and BMs were onsite daily during construction activities and verified project compliance with BIO-17, USACE Nationwide Permit, and RWQCB Water Quality Certification.

## 2.2 Worker Environmental Awareness Program

The WEAP was developed exclusively for MEP. Program materials include a worker handbook, training video, posted speed limit signs and sensitive species awareness supporting posters. As required by the CEC COC BIO-5, all new employees must attend the WEAP. A total of 154 personnel received WEAP training in February. The onsite deputy Environmental Compliance Manager (ECM) administered the WEAP training to new employees. Copies of the signed training logs are kept on file at the construction site.



## SECTION 3

# Summary of Site Activities and Monitoring Observations

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This section provides a weekly summary of February project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. During February, the onsite BM was either Steve Sykes or G.O. Graening. The DB and/or BMs complete logs summarizing activities, personal interactions, and observations made during each site visit. Monitoring visits by the DB and/or BMs were conducted daily to document permit compliance. These logs are available on request. Representative photographs are included in Appendix B. Wildlife Observation Forms completed by the BMs when wildlife was directly encountered during construction activities in February are included below in Appendix C.

## 3.1 Week 36 (February 1-4)

This month, and continuing into March 2012, the prime contractor (LG Constructors) and its subcontractors started working six days per week, including Saturdays, to keep the construction schedule on track. The BMs were onsite 6 days per week as well.

Contra Costa Electric worked in the transmission line corridor, installing ropes and pulleys to pull conductor wires. Collins Electric was also in the corridor installing grounding wires, which required ground disturbance. The BMs supervised all transmission line corridor activity; no wildlife issues were identified.

On the main construction site, the switchyard was nearing completion. Modular construction of the power plant facilities also continued. The gas pipeline contractor (Snelson) was onsite working on the pipeline within the main site. On February 3, Snelson was onsite with PG&E to do the hot tap on the gas line.

Although ground squirrels have bypassed several of the previously installed exclusion devices at the Cogen burrow area, neither burrowing owls nor their sign were observed in this area. On February 4, BM Steve Sykes observed one burrowing owl outside of the project area approximately 425 feet east of Structure 5.

During routine inspections of the worker exclusion fence around the site perimeter, the BM made minor repairs from damage caused by strong winds.

No animals were found in open trenches this week. All site disturbances remained inside the approved work boundary, which was delineated by the worker and wildlife exclusion fencing. MEP site activities avoided the 250-foot buffer around all currently-occupied burrowing owl sites. No special-status species, including CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported within the construction site during Week 36. During Week 36, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

## 3.2 Week 37 (February 6–11)

On February 7, during morning inspections of the Bruns Road corridor, a pocket gopher (*Thomomys bottae*) and Pacific tree frog (*Pseudacris regilla*) were captured by BM Steve Sykes along the west side of the Bruns Road fence and released unharmed on the opposite side of the wildlife exclusion fence. Two wildlife observation forms documenting these encounters are included in Appendix C.

This week, Contra Costa Electric continued the installation of the conductors on the new pole structures in the transmission line corridor. The BMs guided workers through the work corridor and directed the positioning of their equipment in a way that minimized disturbance to burrows. At the main site, modular construction of the power plant facilities continued and Snelson worked on installing the gas pipe and meters.

Although ground squirrels have bypassed several of the previously installed exclusion devices at the Cogen burrow area, neither burrowing owls nor their sign were observed in this area.

No animals were found in open trenches this week. All site disturbances remained inside the approved work boundaries, which were delineated by the worker and wildlife exclusion fencing. No special-status species, including BUOW, CRLF, CTS, SJKF, or AMBA, were observed or reported within the construction site during Week 37. During Week 37, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

## 3.3 Week 38 (February 13–18)

This week, the BMs monitored gas pipeline construction, which remained within the previously installed wildlife exclusionary fence. On February 15, Snelson performed a hydrostatic check on the gas line. No wildlife issues were noted with these activities.

The BMs also monitored the Contra Costa crew in the transmission line corridor, who strung additional segments of conductors, and installed the pull ropes for the fiber optic/lightning grounding wire on top of the pole structures. No wildlife issues were noted with these activities.

Although ground squirrels have bypassed several of the previously installed exclusion devices at the Cogen burrow area, neither burrowing owls nor their sign were observed in this area.

No animals were found in open trenches this week. All site disturbances remained inside the approved work boundary, which was delineated by the worker and wildlife exclusion fencing. Minor repairs were made to worker and wildlife exclusion fencing due to strong winds. MEP site activities avoided the 250-foot buffer around any currently-occupied burrowing owl sites. No special-status species, including BUOW, CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported within the construction site during Week 38. During Week 38, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

### 3.4 Week 39 (February 20–25)

This week, the BMs monitored the Contra Costa crew along the transmission line corridor and on the main construction site. Crews were tensioning conductors and adding insulators and jumper string cables at the structures. On February 22, the BM monitored the Contra Costa crew who pulled the fiber optic cable through the pulleys on all the pole structures.

On February 23, Phil Merli (safety officer) told BM Steve Sykes he observed a dead hawk along Kelso Road outside the project area. The BM confirmed it to be an immature red-tailed hawk (*Buteo jaimancensis*), found dead along the shoulder of Kelso Road, approximately 0.3 mile east of the intersection of Kelso Road and Bruns Road. Although it was not clear what had killed the bird, a non-project-related vehicle could have struck it, or it could have collided with the overhead distribution lines that run parallel to Kelso Road in this area. The BM buried the bird on the side of the road. A wildlife observation form documenting this encounter is included in Appendix C.

On the main construction site, worker crews continued installing cable trays and wire pulling. The warehouse was also being assembled, and the crane lifted components onto the chiller pads. On February 22 on the gas line corridor, a Snelson crew, as well as PG&E personnel, installed a meter on the gas line tap. By February 23, Snelson was cleaning up their work area. They worked on putting the topsoil over the trench and re-grading the entire work area.

On February 24, Debi Hertz (compliance officer) called BM Steve Sykes regarding three dogs that were observed walking in the transmission line corridor on the south side of Kelso Road. The BM followed the dogs down the work corridor from the south side of Kelso Road to the north side of Kelso Road. They eventually exited the project area to the north. Over the last few months of construction, stray dogs have periodically been seen passing near the construction site, especially on Kelso Road. They are wary of humans; therefore the BMs have not been able to detain any dogs to read tags or locate owners.

No animals were found in open trenches this week. All site disturbances remained inside the approved work boundary, which was delineated by the worker and wildlife exclusion fencing. MEP site activities avoided the 250-foot buffer around all currently occupied burrowing owl sites. No special-status species, including BUOW, CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported within the construction site during Week 39. During Week 39, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

### 3.5 Week 40 (February 27–29)

On February 27, Snelson completed construction of the project's new gas pipeline by hydroseeding the work corridor. On the main construction site, workers continued installing cable trays and pulling wire through conduits. Another crew applied gravel to the switchyard.

No owls have returned to the Cogen burrow area, and no additional disturbance has occurred around the exclusion devices. On February 27, one burrowing owl was observed 425 feet east of Structure 5.

No animals were found in open trenches this week. All site disturbances remained inside the approved work boundary, which was delineated by the worker and wildlife exclusion fencing. MEP site activities avoided the 250-foot buffer around all currently-occupied burrowing owl sites. No special-status species, including BUOW, CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported within the construction site during Week 40. During Week 40, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

**Appendix A**  
**Cumulative Wildlife Species**  
**Observed In or Near the Project Area**

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## APPENDIX A

# Cumulative Wildlife Species Observed In or Near the Project Area

TABLE A-1  
Cumulative (Vertebrate) Wildlife Species Observed In or Near the MEP Area

Common Name	Scientific Name	Common Name	Scientific Name
<b>Birds</b>		<b>Mammals</b>	
Mallard	<i>Anas platyrhynchos</i>	Red fox ( <i>exotic</i> )	<i>Vulpes vulpes</i>
Great blue heron	<i>Ardea herodias</i>	Black-tailed hare	<i>Lepus californicus</i>
Turkey vulture	<i>Cathartes aura</i>	California ground-squirrel	<i>Spermophilus beecheyi</i>
White-tailed kite	<i>Elanus leucurus</i>	Audubon's cottontail	<i>Sylvilagus audubonii</i>
Northern harrier	<i>Circus cyaneus</i>	Botta's pocket gopher	<i>Thomomys bottae</i>
Red-tailed hawk	<i>Buteo jamaicensis</i>	Coyote	<i>Canis latrans</i>
Swainson's hawk	<i>Buteo swainsoni</i>	Dog	<i>Canis (lupus) familiaris</i>
American kestrel	<i>Falco sparverius</i>		
Killdeer	<i>Charadrius vociferus</i>	<b>Reptiles</b>	
Common snipe	<i>Gallinago gallinago</i>	California kingsnake	<i>Lampropeltis getula californiae</i>
Gull	<i>Larus</i> sp.	Pacific gopher snake	<i>Pituophis catenifer catenifer</i>
Rock dove ( <i>exotic</i> )	<i>Columba livia</i>	Western fence lizard	<i>Sceloporus occidentalis</i>
Mourning dove	<i>Zenaida macroura</i>	Western pond turtle	<i>Actinemys marmorata</i>
Barn owl	<i>Tyto alba</i>		
Burrowing owl	<i>Athene cunicularia</i>	<b>Amphibians</b>	
Black phoebe	<i>Sayornis nigricans</i>	Western toad	<i>Bufo boreas</i>
Loggerhead shrike	<i>Lanius ludovicianus</i>	Pacific Tree Frog (formerly Chorus frog)	<i>Pseudaris sierra</i> (formerly <i>Pseudacris regilla</i> )
Western scrub-jay	<i>Aphelocoma californica</i>		
American crow	<i>Corvus brachyrhynchos</i>		
Common raven	<i>Corvus corax</i>		
Horned lark	<i>Eremophila alpestris</i>		
Cliff swallow	<i>Petrochelidon pyrrhonota</i>		
Barn swallow	<i>Hirundo rutica</i>		
Northern mockingbird	<i>Mimus polyglottos</i>		
European starling ( <i>exotic</i> )	<i>Sturnus vulgaris</i>		
Red-winged blackbird	<i>Agelaius phoeniceus</i>		
Tricolored blackbird	<i>Agelaius tricolor</i>		
Brewer's blackbird	<i>Euphagus cyanocephalus</i>		
Western meadowlark	<i>Sturnella neglecta</i>		
Brown-headed cowbird	<i>Molothrus ater</i>		
House finch	<i>Carpodacus mexicanus</i>		
House sparrow ( <i>exotic</i> )	<i>Passer domesticus</i>		

## **Appendix B**

### **Representative Site Photographs**

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APPENDIX B

# Representative Site Photographs

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PHOTO 1

View looking northwest of Snelson Inc. workers installing piping within the gas line corridor, with no disturbance to lands outside of the fencing.

*Photo taken: 2/21/12*



PHOTO 2

View looking north in the transmission line corridor of a crane installing guards in preparation of stringing conductors across Kelso Road.

*Photo taken: 2/21/12*





**PHOTO 3**

View within the transmission line corridor looking east of trenching for grounding cable installation.

*Photo taken: 2/2/12*



**PHOTO 4**

View looking southeast of the main construction site, with hydroseeded slopes starting to show germination of grass seed (left side of photo) and refuse storage bins in tidy condition.

*Photo taken: 2/15/12*

## **Appendix C**

### **Wildlife Observation Forms**

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Wildlife Observation Form

<b>WILDLIFE OBSERVATION FORM</b> <b>To Record Animals Found In Mariposa Energy Project Work Areas</b> To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee:	Steve Sykes
Date:	2/7/12
Location of observation:	along wildlife exclusion fence on west side of Bruns Road
Wildlife Species:	Pacific treefrog
Condition of wildlife:	alive <input checked="" type="checkbox"/> dead <input type="checkbox"/>
Possible cause of injury or death:	N/A
Where is the animal currently?	captured and released on opposite side of fence
Is the resource in danger of project (or other) impacts?	
Comments:	Released unharmed
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Todd Ellwood Cell (408) 839-2402 Office (415) 541-7220 BIOLOGICAL FIELD MONITORS: TBD	
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600	

Wildlife Observation Form

<b>WILDLIFE OBSERVATION FORM</b> <b>To Record Animals Found In Mariposa Energy Project Work Areas</b> <small>To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.</small>	
Name of employee:	Steve Sykes
Date:	2/7/12
Location of observation:	along wildlife exclusion fence on west side of Bruns Road
Wildlife Species:	Pocket Gopher
Condition of wildlife:	alive <input checked="" type="checkbox"/> dead <input type="checkbox"/>
Possible cause of injury or death:	N/A
Where is the animal currently?	captured and released on opposite side of fence
Is the resource in danger of project (or other) impacts?	
Comments:	released unharmed
<small>Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.</small>	
<small>DESIGNATED BIOLOGIST: Todd Ellwood Cell (408) 839-2402 Office (415) 541-7220                      BIOLOGICAL FIELD MONITORS: TBD</small>	
<small>COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600</small>	



## Wildlife Observation Form

## WILDLIFE OBSERVATION FORM

## To Record Animals Found In Mariposa Energy Project Work Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: *Steve Sykes*

Date: *2/23/12*

Location of observation:

*along side of ~~road~~ Kelso Road, 0.3 mile east of intersection of  
Brans Road and Kelso Road*

Wildlife Species: *Immature Red Tailed Hawk*

Condition of wildlife:

alive ☐ dead ☒

Possible cause of injury or death:

*hit by a vehicle or struck power lines that run parallel to Kelso Rd.*

Where is the animal currently?

*buried off side*

Is the resource in danger of project (or other) impacts?

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Todd Ellwood Cell (408) 839-2402 Office (415) 541-7220  
BIOLOGICAL FIELD MONITORS: TBD

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600

## **Cultural Resources Monthly Reports**

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## **Monthly Report of Cultural Resources Monitoring Activities for the Mariposa Energy Project – February 2012; Condition of Certification CUL-6**

PREPARED FOR: Chris Curry/Mariposa Energy, LLC  
James Spicer/Mariposa Energy, LLC  
Debi Hertz/CH2M HILL  
Keith McGregor/CH2M HILL  
Doug Urry/SAC

PREPARED BY: Clint Helton/CRS

REPORTING FOR PERIOD: February 2012

This report covers cultural resources monitoring activities at MEP for the month of February 2012, as required by Conditions of Certification CUL-6.

### **Personnel Active in Cultural Monitoring This Period**

Cultural Resources Specialist (CRS) Clint Helton was on-call this month.

### **Monitoring and Associated Activities This Period**

No monitoring occurred this month. As per CUL-6, monitoring will be required if discovery of a CRHR-eligible cultural resource occurs.

### **Cultural Resources Discoveries This Period**

No new cultural resources discoveries were made this month.

### **Anticipated Changes in the Next Period**

The CRS will remain on-call to respond to discoveries if they occur.

### **Comments, Issues, or Concerns**

None.

# **Paleontological Resources Monitoring Report**



# **Mariposa Energy Project (MEP), Paleontological Resources Monitoring Report for Construction, Condition of Certification, PAL-5; February, 2012**

**PREPARED FOR:**

Chris Curry/Mariposa Energy, LLC  
James Spicer/Mariposa Energy, LLC  
Debi Hertz/CH2M HILL  
Keith McGregor/CH2M HILL  
Doug Urry/CH2M HILL

**PREPARED BY:**

Levi Pratt, Paleontological Resource Monitor (PRM)  
W. G. Spaulding, Paleontological Resources Specialist (PRS)

**DATE:**

March 1, 2012

This paleontological resources monthly compliance report (MCR) for the MEP covers the period of February, 2012.

## **Personnel On Call for Paleontological Monitoring This Period:**

Jaspal Saini- PRM  
Levi Pratt- PRM

## **Training Conducted This Month**

All new construction personnel attended the CEC approved Worker Environmental Awareness Program (WEAP) training prior to working on this project.

## **Monitoring Conducted This Month**

No excavations occurred in paleontologically sensitive areas. Because no paleontologically sensitive sediments were affected during the month of February, no paleontological resources monitoring was conducted.

## **Changes In the Future**

No changes to the current paleontological resources monitoring schedule are necessary. The next step is to determine whether any additional deep excavations will occur.

## **Paleontological Discoveries This Month**

No paleontological resources were encountered during this reporting period.

## **Comments, Issues or Concerns**

No issues or concerns were encountered during this period.

# **Stormwater Management Monthly Report**

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## Monthly Summary of the Drainage, Erosion, and Sediment Control Plan Implementation for the Mariposa Energy Project – February 2012 (Condition of Certification SOIL&WATER-1)

PREPARED FOR: Chris Curry/Mariposa Energy, LLC  
James Spicer/Mariposa Energy, LLC

PREPARED BY: Mieke Sheffield/CH2M HILL

COPIES: Keith McGregor/CH2M HILL  
Debi Hertz/CH2M HILL  
Doug Urry/CH2M HILL  
Stephanie Moore/CH2M HILL

DATE: March 9, 2012

The California Energy Commission (CEC) Condition of Certification SOIL&WATER-1 requires an analysis of the effectiveness of the drainage-, erosion-, and sediment-control measures and the results of the monitoring and maintenance activities. The purpose of this technical memorandum is to summarize the effectiveness of the drainage, erosion, and sediment control measures implemented for the Mariposa Energy Project and the results of associated monitoring and maintenance activities during February 2012.

Construction activities during this month continued with emphasis on construction of above- and underground utilities; placement of concrete foundations; construction of permanent structures; construction of the gas pipeline and t-line; and the delivery, offloading, and installation of equipment.

Vegetation continues to be patchy and sparse at the areas hydroseeded in December 2011. The tanks holding hydrotest water were emptied and the water was used for dust control. The disturbed area associated with installation of the gas pipeline was hydroseeded on February 27, 2012.

The site received 0.26 inches of precipitation during the month of February 2012.

The QSP designee continued to monitor adherence to good housekeeping practices and implementation/maintenance of Best Management Practices (BMPs) as outlined in the project's Drainage, Erosion, and Sediment Control Plan (DESCP) and Stormwater Pollution Prevention Plan (SWPPP). No amendments to the DESCP/SWPPP were needed this month.

Site inspections were conducted prior to a forecasted rain event of 50 percent or greater, every 24 hours during extended rain events, and/or weekly by the project's QSD or QSP designee (i.e., site visits were conducted on February 3, 6, 10, 17, 24, and 28, 2012).

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Any concerns noted with BMP implementation/maintenance were communicated to the responsible contractor and correction of the issues was monitored by the QSP designee. The following issues were documented during the site inspections:

February 3, 2012:

- Small rills on northern hydroseeded slopes...continue to monitor for signs of increased erosion; repair slopes as needed
- Add additional sediment control BMPs (gravel check dams, straw bale) at northeast corner and along eastern property boundary
- Clean sediment along silt fence at northern property boundary; add additional linear sediment control (gravel bags)
- Remove standing water from stormwater detention basin within 96 hours of accumulation
- Cover stockpiles prior to rain
- Remove oil rags left in laydown area
- Cover grout containment box in laydown area
- Post spill-reporting and cleanup procedures

February 6, 2012:

- Add outlet protection at discharge pipe behind Collins bins
- Small rills on hydroseeded slopes...continue to monitor for signs of increased erosion; repair slopes as needed
- Add additional sediment control BMPs (gravel check dams) along eastern property boundary
- Clean sediment along silt fence at northern property boundary; add additional linear sediment control (gravel bags)
- Cover all stockpiles and protect from runoff/run-on prior to rain event
- Provide secondary containment for hazardous materials (i.e., synthetic jet oil) and satellite hazardous materials bins
- Remove oil rags left in laydown area
- Cover grout containment box in laydown area
- Clean up spillage from the grout bucket washout tub and provide secondary containment
- Provide secondary containment at hand-sink
- Cover trash bins at the end of the day
- Post spill-reporting and cleanup procedures

February 10, 2012:

- Monitor slope at eastern property boundary and add additional sediment control BMPs (gravel check dams) as needed
- Cover all stockpiles and protect from runoff/run-on prior to rain event
- Place waste cardboard boxes in trash container at end of day
- Cover trash bins at end of day and prior to rain event
- Remove water from secondary containment area
- Place buckets of hazardous materials inside storage trailer at end of day
- Post spill-reporting and cleanup procedures

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February 17, 2012:

- Cover all stockpiles prior to rain event
- Cover grout equipment and bags at end of day
- Place waste cardboard boxes and other debris in trash container at end of day
- Place buckets of hazardous materials inside storage trailer at end of day
- Post spill-reporting and cleanup procedures

February 24, 2012:

- Cover trash bins at end of day
- Post spill-reporting and cleanup procedures

February 28, 2012:

- Cover all stockpiles and protect from runoff/run-on prior to rain event
- Cover grout bags prior to rain event
- Cover trash containers prior to rain event and at end of day
- Pick up litter
- Post spill-reporting and cleanup procedures

**Exhibit 10**  
**WEAP Training Sign-In Sheets**

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Mariposa Energy Project  
ARENESS ENVIRONMENTAL PROGRAM  
TRAINING SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 2/29/12

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]

Mariposa Energy Project  
WORKER AWARENESS ENVIRONMENTAL PROGRAM  
TRAINING SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 2/27/12

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Low Phillips	[Signature]	CCE
Tony Muto	[Signature]	PGE
Geoff Gehweiler	[Signature]	Greenscape
George Griffith	[Signature]	Greenscape
Jamie Symirzek	[Signature]	ALCO Supt
Josh McNeill	[Signature]	Hart High-voltage
Mike Cedoline	[Signature]	Sue/Saw/Hydro Seeding
Sergio Costa	[Signature]	G.E.
ARTHUR CITRON	[Signature]	Collins
JAMES BENNETT	[Signature]	Collins
Zach Perry	[Signature]	Collins
Kustin Johnston	[Signature]	Collins
Miguel Verdin	[Signature]	OVERAA
Steve Brawn	[Signature]	Collins
Zac Sala	[Signature]	Collins
SCOTT J BROZER	[Signature]	Collins
KELLY MSSEE	[Signature]	Collins
RACHEL SHOEMAKER	[Signature]	Collins
BROCE MEICAB	[Signature]	Collins



## DATE: \_\_\_\_\_

DATE: 2/24/12

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]

(Biology, Archaeology, & Paleontology)

DATE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

④

Mariposa Energy Project  
WORKER AWARENESS ENVIRONMENTAL PROGRAM  
TRAINING SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 2/21/19

PLEASE NOTE:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company/Role
JAMES CAERRE	<i>James Caerre</i>	HART / Tech
Danny McQueen	<i>Danny McQueen</i>	CH2M Hill
Ken Powell	<i>Ken Powell</i>	Collins / JW
Christopher Dahl	<i>Chris Dahl</i>	Collins / apprentice
Domine Hill	<i>Domine Hill</i>	Collins / apprentice
ALAN BROHARD	<i>Alan Brohard</i>	" / JW
Chris Ramirez	<i>Chris Ramirez</i>	Collins Elec appr.
JOAN GUERRERO	<i>Juan Guerrero</i>	COLLINS ELECT / JW
Rhett Johnson	<i>Rhett Johnson</i>	Collins JW
Steve Hedley	<i>Steve Hedley</i>	Collins JW
RICHARD SMYTH JR	<i>Rich SCA</i>	Collins JW
Mike Stacey	<i>Mike Stacey</i>	Collins Appr.
Paul Orr	<i>Paul Orr</i>	Collins / JW
EAMONN O'HALLORAN	<i>Eamonn O'Halloran</i>	Collins ELEC. JW
MICHAEL PERRA	<i>Michael Perr</i>	Collins ELEC. / JW
THOMAS WIGENT	<i>Thomas Wigent</i>	Collins ELEC. / JW
CHARLES O'NEIL	<i>Charles O'Neil</i>	Collins ELEC. / JW



(Biology, Archaeology, & Paleontology)

DATE:

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]

(Biology, Archaeology, & Paleontology)

2/15/19

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

8

(Biology, Archaeology, & Paleontology)

DATE: \_\_\_\_\_

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]



Mariposa Energy Project  
WORKER AWARENESS ENVIRONMENTAL PROGRAM  
TRAINING SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 2/13/2012

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
ALAN HOAK	Alan Hoak	Collins Electric
Jesse Sabas	Jesse Sabas	Collins Electric
Wendy Turrell	Wendy Turrell	" "
Juan Velazquez	Juan Velazquez	Newtron
Paul Crook	Paul Crook	Contra Costa Elect
Gino Chacon	Gino Chacon	Contra Costa Elect
Andy Harrell	Andy Harrell	AZCO Safety
David Gordon	David Gordon	Collins Elec
Javier Ochoa	Javier Ochoa	Iron Worker
CRAIG ROSE	Craig Rose	AZCO FITTER
David Shields	David Shields	AZCO Fitter
ADAM CRISP	Adam Crisp	Collins Elect,
RAY BELLVILLE	Ray Bellville	AZCO
JESSE TRUJILLO	Jesse Trujillo	AZCO Fitter
Ida Garza	Ida Garza	Miller Panel
Salvador Garza	Salvador Garza	Miller Panel
Charles Johnson	Charles Johnson	Collins Electric
Samuel Salgado	Samuel Salgado	AZCO
Richard Strong	Richard Strong	AZCO Fitter

## DATE:

2/10/12

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]



DATE: 2/9/2012

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]

## DATE: \_\_\_\_\_

2/8/2

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]

A hand-drawn diagram of a cell. It consists of a large, irregular oval shape representing the cell membrane. Inside this oval, there is a smaller, more rounded shape representing the nucleus. A single line connects the nucleus to the outer boundary of the cell, representing a nuclear pore or a strand of chromatin.

DATE: 2-7-2012

9



Mariposa Energy Project  
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**  
**TRAINING SIGN-IN SHEET**  
*(Biology, Archaeology, & Paleontology)*

DATE: 2/6/12

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company/Role
Rob Brasi	<i>Rob Brasi</i>	AZCO
Thomas Lee	<i>Thomas Lee</i>	AZCO
JUAN COLLAZOS	<i>Juan Collazos</i>	Summit
Mike Bacca	<i>Mike Bacca</i>	Collins
John Sutherland	<i>John Sutherland</i>	Fertado
Johnson Eric	<i>Eric Johnson</i>	Fertado
JASON Mercado	<i>Jason Mercado</i>	FERTADO
ERIC LARKIN	<i>Eric Larkin</i>	Fertado HVAC
Tim Parker	<i>Tim Parker</i>	Summit Fire
ERIC STURGIS	<i>Eric Sturgis</i>	AZCO
Corey PARKS	<i>Corey Parks</i>	Hart / High voltage testing
TERIZY Johnson	<i>Terizy Johnson</i>	CH2M HILL
FRANK RILEY	<i>Frank Riley</i>	CH2M HILL
Nick Garcia	<i>Nick Garcia</i>	Centra Costa

## (Biology, Archaeology, &amp; Paleontology)

2 | 3 | 1 | 2

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

12

(Biology, Archaeology, & Paleontology)

2 | 2 | 12

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

(a)



## (Biology, Archaeology, &amp; Paleontology)

21.1.2

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Mariposa Energy Project, and I agree to comply with all the environmental requirements presented.

[illegible]

**Exhibit 11**  
**Construction Safety Reports**

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## Health, Safety, Security, and Environment

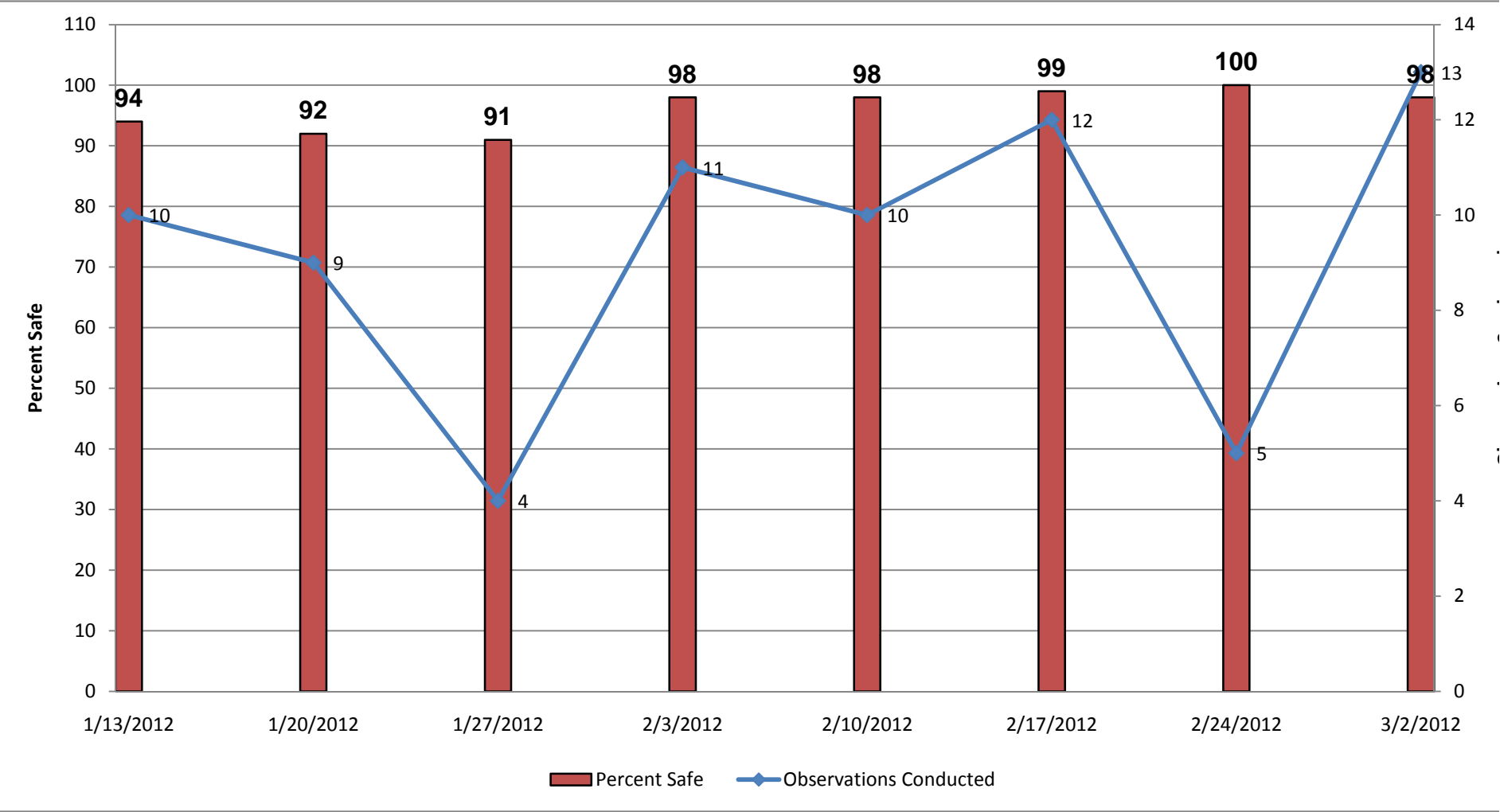
Project Name: Mariposa Energy Project

Month/Year: February / 2012

[illegible]

# Safe Behavior Observations - Graph

Target: 98% Safe







## Mariposa Energy Project - Phase 1

	Feburay 2012	This Month	YTD	Comments refer to this month only
Lag Indicators	Lost Work Days (LWD)	0	0	No Lost workdays
	Recordable Incidents (RI)	0	0	No Lost workdays
	First-Aid	0	0	No Reorts of employee needing First Aid
	Near Miss	0	0	No reporrts of Near Miss Incidents
	Motor Vehicle Incidents (MVI)	0	0	No vehicle Incidents todote
Lead Indicators	Observations	27	40	Based on a combined 19 canus report summaries, and 8 consultant field safety observations
	Safety Orientations	3	8	8 LG safety orientations and environmental compliance trainings.
	Tailboards/Tailgate meetings	19	31	Daily and when conditions change in job scope
Frequencies	Hours Worked	1461	3503	Total Contractor hours worked. Based on 12 workdays, 10hr average. Workday, 17 employees onsite.
	Average number of persons	17	17	15 Snelson Employees, 2 Canus Inspectors
	OSHA Recordable Rate	0.00	0.00	
<b>The information shown in this report includes all weekly data since pervious months report up to the last reporting week within this month</b>				

Progress to date:

**Exhibit 12**  
**CBO Submittal Approvals**

---



## Hertz, Debi/SAC

---

**From:** barbara.tomajic@us.bureauveritas.com  
**Sent:** Friday, February 03, 2012 4:05 PM  
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m\_.com; Banta, Kelly/DEN; Scheele,Tim/EXT  
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com; cory.branner@us.bureauveritas.com  
**Subject:** Mariposa – MECH-1-16.01 - PG&E Gas Service Pipeline - PC1- Approved

Hello,

The Mariposa submittal MECH-1-16.01 - PG&E Gas Service Pipeline - PC1, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



**Barbara Tomajic**  
Document Control  
**Bureau Veritas North America, Inc.**  
180 Promenade Circle, Suite 150  
Sacramento, CA 95834  
Phone: 916.617.2028  
Fax: 916.617.2068  
Direct: 916.514.4520  
[barbara.tomajic@us.bureauveritas.com](mailto:barbara.tomajic@us.bureauveritas.com)  
[www.us.bureauveritas.com](http://www.us.bureauveritas.com)

**ISO 9001:2008 Certified**

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**STRUC-1**

---

## Hertz, Debi/SAC

---

**From:** barbara.tomajic@us.bureauveritas.com  
**Sent:** Thursday, January 26, 2012 12:04 PM  
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m\_.com; Gilkes, Lisa/DEN; Banta, Kelly/DEN  
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com; cory.branner@us.bureauveritas.com  
**Subject:** Mariposa – STRUC-1-31.0X1 - MEP 415059 Let Down Station Foundation Calc & Drawing - PC1 - Approved

Hello,

The Mariposa submittal STRUC-1-31.0X1 - MEP 415059 Let Down Station Foundation Calc & Drawing - PC1, has been reviewed and approved. There is also a signed reference document. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



**Barbara Tomajic**  
Document Control  
**Bureau Veritas North America, Inc.**  
180 Promenade Circle, Suite 150  
Sacramento, CA 95834  
Phone: 916.617.2028  
Fax: 916.617.2068  
Direct: 916.514.4520  
[barbara.tomajic@us.bureauveritas.com](mailto:barbara.tomajic@us.bureauveritas.com)  
[www.us.bureauveritas.com](http://www.us.bureauveritas.com)  
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## Hertz, Debi/SAC

---

**From:** barbara.tomajic@us.bureauveritas.com  
**Sent:** Tuesday, February 07, 2012 2:38 PM  
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m\_.com; Banta, Kelly/DEN  
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com; cory.branner@us.bureauveritas.com  
**Subject:** Mariposa – STRUC-1-32.0X1 - MEP 415059 W.E. Lyons Bldg Foundation Concrete Mix- PC2 - Approved

Hello,

The Mariposa submittal STRUC-1-32.0X1 - MEP 415059 W.E. Lyons Bldg Foundation Concrete Mix- PC2, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



**Barbara Tomajic**  
Document Control  
**Bureau Veritas North America, Inc.**  
180 Promenade Circle, Suite 150  
Sacramento, CA 95834  
Phone: 916.617.2028  
Fax: 916.617.2068  
Direct: 916.514.4520  
[barbara.tomajic@us.bureauveritas.com](mailto:barbara.tomajic@us.bureauveritas.com)  
[www.us.bureauveritas.com](http://www.us.bureauveritas.com)  
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## Hertz, Debi/SAC

---

**From:** barbara.tomajic@us.bureauveritas.com  
**Sent:** Friday, February 17, 2012 1:24 PM  
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m\_.com; Banta, Kelly/DEN; Gilkes, Lisa/DEN  
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com; cory.branner@us.bureauveritas.com  
**Subject:** Mariposa –STRUC-1-34.0X2 - MEP 415059 BOP Steel Drawings and Calc - PC1- Approved

Hello,

The Mariposa submittal STRUC-1-34.0X2 - MEP 415059 BOP Steel Drawings and Calc - PC1, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



**Barbara Tomajic**  
Document Control  
**Bureau Veritas North America, Inc.**  
180 Promenade Circle, Suite 150  
Sacramento, CA 95834  
Phone: 916.617.2028  
Fax: 916.617.2068  
Direct: 916.514.4520  
[barbara.tomajic@us.bureauveritas.com](mailto:barbara.tomajic@us.bureauveritas.com)  
[www.us.bureauveritas.com](http://www.us.bureauveritas.com)  
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## Hertz, Debi/SAC

---

**From:** barbara.tomajic@us.bureauveritas.com  
**Sent:** Monday, January 30, 2012 10:54 AM  
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m\_.com; Gilkes, Lisa/DEN; Banta, Kelly/DEN  
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com; cory.branner@us.bureauveritas.com  
**Subject:** Mariposa – STRUC-1-7.0X1 - MEP 415059 Misc Steel Docs - PC1- Approved

Hello,

The Mariposa submittal STRUC-1-7.0X1 - MEP 415059 Misc Steel Docs - PC1, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



**Barbara Tomajic**  
Document Control  
**Bureau Veritas North America, Inc.**  
180 Promenade Circle, Suite 150  
Sacramento, CA 95834  
Phone: 916.617.2028  
Fax: 916.617.2068  
Direct: 916.514.4520  
[barbara.tomajic@us.bureauveritas.com](mailto:barbara.tomajic@us.bureauveritas.com)  
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## Hertz, Debi/SAC

---

**From:** barbara.tomajic@us.bureauveritas.com  
**Sent:** Thursday, February 02, 2012 3:28 PM  
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m\_.com; Gilkes, Lisa/DEN; Banta, Kelly/DEN  
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com; cory.branner@us.bureauveritas.com  
**Subject:** Mariposa – STRUC-1-7.1X1 - MEP 415059 Steel Drawings - PC1 - Approved

Hello,

The Mariposa submittal STRUC-1-7.1X1 - MEP 415059 Steel Drawings - PC1, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



**Barbara Tomajic**  
Document Control  
**Bureau Veritas North America, Inc.**  
180 Promenade Circle, Suite 150  
Sacramento, CA 95834  
Phone: 916.617.2028  
Fax: 916.617.2068  
Direct: 916.514.4520  
[barbara.tomajic@us.bureauveritas.com](mailto:barbara.tomajic@us.bureauveritas.com)  
[www.us.bureauveritas.com](http://www.us.bureauveritas.com)

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**Exhibit 13**  
**Unauthorized Spill Incident Report**

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## Unauthorized Spill Incident Report-Mariposa Energy Project

**Construction Activity:** Pumping water from demineralized water tank to service/fire water tank.

**Contractors:** LG Construction-General Contractor, Graver-tank installation subcontractor

**Location of Release:** East side of power plant site, adjacent to south side of demineralized water tank concrete foundation.

**Date and Time of Release:** Saturday, February 25 at 11:30 am

**Reason for Release:** The diesel fueled pump used to pump water from one tank to another began leaking fuel on the ground due to a rusting fuel tank.

**Volume Released:** Approximately 3-4 gallons of diesel fuel was originally released. The fuel mixed on the ground with water from the pump hoses when they were disconnected resulting in a total of approximately 15 gallons of diesel/water mixture.

**Amount of soil/material generated:** Approximately 10 yards of diesel/water soaked soil and two ten-gallon bags with dirty spill rags and pillows.

**How release was managed and material cleaned-up:** Spill containment diapers were placed at the edge of the spill zone to contain the spread of fuel. The fuel/water mixture was pumped into a 20 gallon plastic container. After the spill was contained the diapers were placed in yellow plastic bags and then into containment drums.





LG asked their grading contractor, Teichert to excavate the soil at the spill location containing diesel fuel and placed it on plastic and covered it with plastic until it could be transported from the site.



**Reporting:** Due to the small volume of petroleum product spilled, the release was not reported to any regulating agencies.

**Disposition of any hazardous wastes and/or contaminated soils and materials generated by the release:** As of February 29, 2012 the soiled spill rags and pillows remain on site in a containment drum waiting for proper removal from site. The soil was taken to Teichert's yard in Stockton on February 28 for testing to determine the proper disposal location.

**Relevant COC's:** WASTE-7 and SOIL&WATER-1 (SWPPP Plan)

**Attachments:** LG Incident Report

## Mariposa Energy Project IMMEDIATE NOTIFICATION OF INCIDENT

Incident No	ENV-002	Report Date	Feb 28 2012	
Incident Time	11:30am	Incident Date	Feb 25 2012	
<b>INCIDENT TYPE</b>				
<input type="checkbox"/> First Aid	<input type="checkbox"/> MTI	<input type="checkbox"/> Restricted Work Case	<input type="checkbox"/> LTI	<input type="checkbox"/> Non work related
<input type="checkbox"/> Equipment Damage	<input type="checkbox"/> Near Miss	<input type="checkbox"/> Procedural Breach	<input checked="" type="checkbox"/> Environmental Incident	<input type="checkbox"/> Other
<b>WORKPLACE DETAILS</b>				
Project Name	Mariposa Energy Project	Business Group:	Power (CH2M HILL)	
Project Address	4901 Bruns Rd. Byron Ca.			
<b>DETAILS OF PERSON COMPLETEING THIS FORM</b>				
Name	Craig Bellew	Person's Position	Project H.S.S.E. Manager	
Company	LG Constructors	Contact Details	(980) 225-6953	
<b>DETAILS OF INJURED PERSON/S</b>				
Person's Name		D.O.B		
Person's Address		Person's contact No		
		Employer's Name		
Person's Position		Supervisor		
If more than one person was injured are additional details attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If additional details are required please attach copies of this page for each person)</i>				
<b>INJURY DETAILS</b>				
<b>Type of Injury</b>	<b>Body Part</b>	<b>Class of injury</b>	<b>Caused by</b>	<b>Improper PPE</b>
<input type="checkbox"/> Sprain	<input type="checkbox"/> Right <input type="checkbox"/> Left	<input type="checkbox"/> Struck By	<input type="checkbox"/> Improper PPE	<input type="checkbox"/> Hand Protection
<input type="checkbox"/> Strain	<input type="checkbox"/> Hand <input type="checkbox"/> Arm	<input type="checkbox"/> Trip / Slip	<input type="checkbox"/> Non use of PPE	<input type="checkbox"/> Eye Protection
<input type="checkbox"/> Bruise	<input type="checkbox"/> Full Body <input type="checkbox"/> Ankle	<input type="checkbox"/> Lifting	<input type="checkbox"/> Improper Procedure	<input type="checkbox"/> Foot Protection
<input type="checkbox"/> Laceration	<input type="checkbox"/> Neck <input type="checkbox"/> Heart	<input type="checkbox"/> Dust / Object	<input type="checkbox"/> Unsafe Act	<input type="checkbox"/> Head Protection
<input type="checkbox"/> Fracture	<input type="checkbox"/> Finger <input type="checkbox"/> Elbow	<input type="checkbox"/> Dropped	<input type="checkbox"/> Unsafe condition	<input type="checkbox"/> Respirator / Mask
<input type="checkbox"/> Foreign Body	<input type="checkbox"/> Hip <input type="checkbox"/> Foot	<input type="checkbox"/> Pinch	<input type="checkbox"/> Inattention	<input type="checkbox"/> Face Protection
<input type="checkbox"/> Inhalation	<input type="checkbox"/> Eye <input type="checkbox"/> Chest	<input type="checkbox"/> Caught Between	<input type="checkbox"/> Another Employee	<input type="checkbox"/> Hearing Protection
<input type="checkbox"/> Ingestion	<input type="checkbox"/> Leg <input type="checkbox"/> Wrist	<input type="checkbox"/> Struck Against	<input type="checkbox"/> Inadequate Procedure	<input type="checkbox"/> Clothing
<input type="checkbox"/> Burn	<input type="checkbox"/> Shoulder <input type="checkbox"/> Toe	<input type="checkbox"/> Fall - Same Elev.	<input type="checkbox"/> Insufficient Training	<input type="checkbox"/> N/A
<input type="checkbox"/> Other:	<input type="checkbox"/> Face <input type="checkbox"/> Teeth	<input type="checkbox"/> Fall - From Height	<input type="checkbox"/> Poor Communication	<input type="checkbox"/> Other
	<input type="checkbox"/> Knee <input type="checkbox"/> Head	<input type="checkbox"/> Airborne Particle	<input type="checkbox"/> Other	
	<input type="checkbox"/> Other: <input type="checkbox"/> Back	<input type="checkbox"/> Other		
Describe:	Describe:	Describe:	Describe:	Describe:
<b>EQUIPMENT DAMAGE</b>				
<input type="checkbox"/> Bugged	<input type="checkbox"/> Explosion	<input type="checkbox"/> Skid / loss of traction	<input type="checkbox"/> Engulfment	
<input type="checkbox"/> Collision (fore)	<input type="checkbox"/> Exposure to cherns / subst	<input type="checkbox"/> Struck by object	<input type="checkbox"/> Electrical failure	
<input type="checkbox"/> Collision (rev)	<input type="checkbox"/> Fire	<input type="checkbox"/> Rollover	<input type="checkbox"/> Submerged	
<input type="checkbox"/> Driving over object	<input type="checkbox"/> Maintenance activity fault	<input type="checkbox"/> Tire failure	<input type="checkbox"/> Undefined	
<input type="checkbox"/> Dropped object	<input type="checkbox"/> Mechanical failure	<input type="checkbox"/> Rupture / spilt		
<b>Summary of Incident: (include damage sustained, location of incident, etc)</b>				
<p>While transferring water between the Demineralized water tank and the service water tank, the diesel powered water pump that was used to transfer the water, developed a leak in the fuel tank. There was approximately 3-4 gallons of diesel fuel that leaked onto the soil. The fuel tank was drained, and the contaminated soil has been cleaned up and put into containment drums, awaiting disposal</p>				

**Immediate corrective action implemented:**

The fuel tank was drained, the pump was taken out of service and all of the contaminated soil was removed and bagged for disposal.

**Treatment given to injured person/s:****Details of any further exposure or risk** (i.e 3<sup>rd</sup> party involvement e.g the public/media/safety authorities/clients etc)**Current location of injured person:**

- |   |   |
|---|---|
| <input type="checkbox"/> Returned to normal duties            | <input type="checkbox"/> Restricted Duties                      |
| <input type="checkbox"/> Sent to Doctor for further treatment | <input type="checkbox"/> Sent to Hospital for further treatment |
| <input type="checkbox"/> Other: Detail                        |   |

**WITNESS DETAILS**

Witness Name/s	Title	Phone No:
Ryan Hendricks - Graver Tank	Superintendent	

Project Manager Phil Knox

Signature

*[Signature]* 2/29/2012  
*[Signature]* 2/28/12



## PRELIMINARY RECORDABLE INCIDENT NOTIFICATION

Office Name: BAO

Project: Mariposa  
Energy

Project #: 415059

Project Manager : Les Mathine, Phil Knox

Type of Incident: ☐ Recordable Injury/Illness ☐ Restricted Duty Case ☐ Lost Workday Case

Day of Week: ☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday ☒ Saturday ☐ Sunday

Employee Name:

Date of Incident: Feb 25  
2012

Time: 11:30am

Employer Name:

Employee Job Classification:

Date Reported: Feb 27  
2012

Time: 7:00am

Description of Incident: While transferring water between the Demineralized water tank and the service water tank, the diesel powered water pump that was used to transfer the water, developed a leak in the fuel tank. There was approximately 3-4 gallons of diesel fuel that leaked onto the soil. The fuel tank was drained, and the contaminated soil has been cleaned up and put into containment drums, awaiting disposal.

Witness Names: Ryan Hendricks
Graver Tank

Reported By: Craig Bellew

Title/Phone No.: H.S.S.E. Manager (980)225-  
6953

Type of Injury	Body Part		Class of Injury	Caused By	Improper PPE
<input type="checkbox"/> Sprain	<input type="checkbox"/> Head	<input type="checkbox"/> Back	<input type="checkbox"/> Struck By	<input type="checkbox"/> Improper PPE	<input type="checkbox"/> Hand Protection
<input type="checkbox"/> Strain	<input type="checkbox"/> Hand	<input type="checkbox"/> Arm	<input type="checkbox"/> Trip/Slip	<input type="checkbox"/> Non Use of PPE	<input type="checkbox"/> Eye Protection
<input type="checkbox"/> Bruise	<input type="checkbox"/> Full Body	<input type="checkbox"/> Ankle	<input type="checkbox"/> Lifting	<input type="checkbox"/> Improper Procedure	<input type="checkbox"/> Foot Protection
<input type="checkbox"/> Laceration	<input type="checkbox"/> Neck	<input type="checkbox"/> Heart	<input type="checkbox"/> Dust/Object	<input type="checkbox"/> Unsafe Act	<input type="checkbox"/> Head Protection
<input type="checkbox"/> Fracture	<input type="checkbox"/> Finger	<input type="checkbox"/> Elbow	<input type="checkbox"/> Dropped	<input type="checkbox"/> Unsafe Condition	<input type="checkbox"/> Respirator/Mask
<input type="checkbox"/> Foreign Body	<input type="checkbox"/> Hip	<input type="checkbox"/> Foot	<input type="checkbox"/> Pinch	<input type="checkbox"/> Inattention	<input type="checkbox"/> Face Protection
<input type="checkbox"/> Inhalation	<input type="checkbox"/> Eye	<input type="checkbox"/> Chest	<input type="checkbox"/> Caught Between	<input type="checkbox"/> Another Employee	<input type="checkbox"/> Hearing Protection
<input type="checkbox"/> Ingestion	<input type="checkbox"/> Leg	<input type="checkbox"/> Wrist	<input type="checkbox"/> Struck Against	<input type="checkbox"/> Inadequate Procedure	<input type="checkbox"/> Clothing
<input type="checkbox"/> Burn	<input type="checkbox"/> Shoulder	<input type="checkbox"/> Toe	<input type="checkbox"/> Fall – Same Elev.	<input type="checkbox"/> Insufficient Training	N/A
<input type="checkbox"/> Other:	<input type="checkbox"/> Face	<input type="checkbox"/> Teeth	<input type="checkbox"/> Fall – From Height	<input type="checkbox"/> Poor Communication	<input type="checkbox"/> Other
Describe:	<input type="checkbox"/> Knee	<input type="checkbox"/> Other	<input type="checkbox"/> Airborne Particle		Describe:
		Describe:	<input type="checkbox"/> Other		

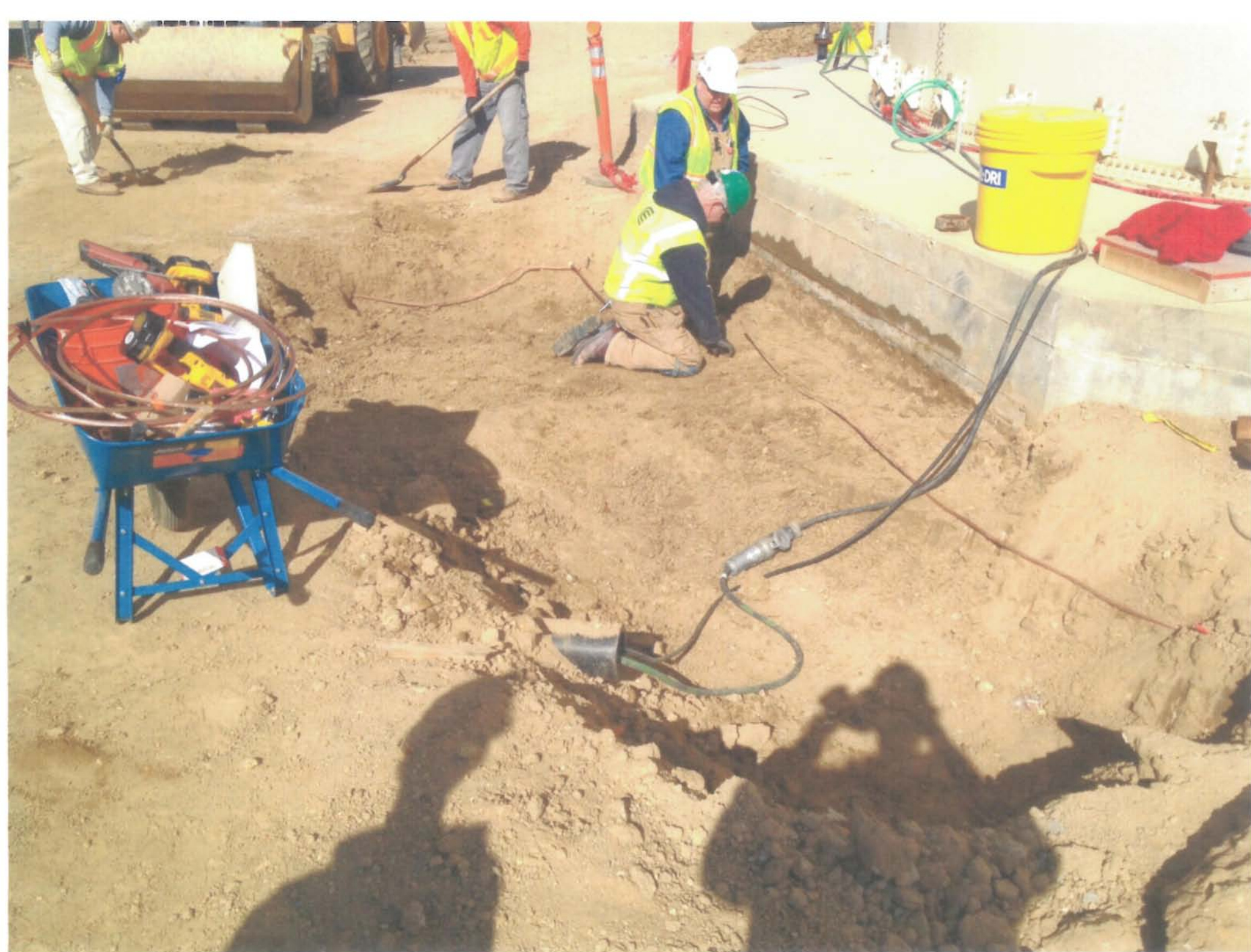
Distribution:













## Bellew, Craig/BAO

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**From:** Blake, Jonathan/BAO  
**Sent:** Saturday, February 25, 2012 3:51 PM  
**To:** Knox, Phil/BAO  
**Cc:** Buchanan, Frank/BAO; Bellew, Craig/BAO; Allender, Bradley/BAO  
**Subject:** Fuel Spill 2/25/2012  
**Attachments:** photo 1.jpg; photo 2.jpg; photo 3.jpg

Today at 11:30AM I received a call from Ryan Hendricks of Graver informing me that a hole had formed in the Teichert water pump fuel tank and diesel fuel had been spilling on to the ground. At this time He and I shut the pump down and closed off all the valves to the tank. I then retrieved the spill kit that is located under the stairs to the safety trailer and Ryan and I used it to stop any additional spread of fuel. Ryan, used a shop vac to remove all the fuel from the tank and all the standing water/fuel that was on the ground.

We then proceeded to unhook the hoses from the pump. At this time more water spilled onto the contaminated area but we felt we needed to do this to prepare the pump and area for clean up. We used the same shop vac and sucked up all the standing water.

All water and fuel was placed in the spill kit container and all rags and pillows were placed in the yellow bags provided with the kit. I left all of this at the contaminated area. Bags are secured to the pump so they will not move or blow away and the water/fuel container was placed on a board and sitting in the spill area (lid is secure).

As for the amount of fuel that spilled it is hard to say. I do not think it was a large amount but once it mixed with the water that leaks from the pump it was able to spread over a large area. We have about 15gallons of fuel and water in the disposal container and most of that came from the fuel tank or from the second clean up (unhooking the hoses).

I have contacted Louie Luna of Teichert and left a message. Clean up of the soil will begin Monday unless directed otherwise.

Thank You,

**Jonathan Blake**  
Project Coordinator  
Mariposa Energy Project | LG Constructors  
4901 Bruns Road | Byron, CA 94514  
Phone: 209.835.9864 ext. 2045 | Cell: 509.438.9098  
Email: [jonathan.blake@ch2m.com](mailto:jonathan.blake@ch2m.com)

PAGE	DATE	Graver Tank co.
	2-27-12	
		Ryan Hendricks, Report on leak

NOTES

on 2-25-12 I was pumping water from TK-A to TK-B I noticed a drip coming from below the fuel tank on the water pump. I tapped it with my finger and smelled it. It was Diesel fuel. I got on the radio got Jon Blake to come out to the site. He had me stop the pump and together we started to clean up as much as possible. I removed all fuel from the pump's fuel tank to stop the leak, sucked up all standing water/fuel from the ground, we put red tape around the site to keep people out of the area, disconnected all hoses going into the pump when we did that water came out and fell on the ground where we just cleaned up the fuel leak. So he had me vac that up as well. we put all waste in a spill kit that was on site. all rags used were put in trash bag provided with the kit.